



D.C. DEPARTMENT OF GENERAL SERVICES

REQUEST FOR PROPOSALS

**DESIGN-BUILD SERVICES
BROOKLAND MIDDLE SCHOOL**

February 25, 2013

Proposal Due Date: **March 14, 2013 by 2:00 p.m. EST**

Preproposal Conference: **March 5, 2013 at 12:00 p.m. EST**

to be held at:

**Frank D. Reeves Center
2nd Floor Community Room
2000 14th Street, NW
Washington, DC 20009**

Contact: Thomas D. Bridenbaugh
 Leftwich & Ludaway, LLC
 1400 K Street, NW
 Suite 1000
 Washington, D.C. 20005
 Phone: (202) 434-9100

Solicitation Number: **DCAM-13-CS-0124**

Executive Summary

The Department of General Services (“Department” or “DGS”) is issuing this Request for Proposals to engage a design-builder to construct the new Brookland Middle School. The new facility will consist of approximately 90,000 square feet that will accommodate 540 students. The Educational Specifications for the project are attached hereto as **Attachment A**. The Department has already procured Hartman Cox Architects, LLP to act as the architect for this project, and the design is in progress. The builder selected through this procurement will be required to assume the architect’s contract once the design has passed the design development point and the builder has provided a guaranteed maximum price that is acceptable to the Department.

The existing Brookland facility is located at 1150 Michigan Avenue, NE, Washington, DC and is approximately 98,000 square feet. The facility was constructed in 1974 and has been shuttered since 2008. The Department anticipates that the footprint of the new facility will be overlap with footprint of the existing facility and that demolition of the existing facility must be completed prior to construction of the new facility. The results of a hazardous materials survey are attached hereto as **Attachment G**.

The scope of work is more fully described below, but generally includes progressing the design, demolishing the existing structure and constructing the approved design by August 15, 2014 (the “Project”).

A.1. Project Delivery Method

The Department intends to implement the Project through a modified design-build approach. The Design-Builder’s scope of work will be divided into two phases: (i) the Demolition and Preconstruction Phase; and (ii) the Construction Phase. The Department has already engaged the Hartman Cox Architects, LLP to act as the architect/engineer of record (the “Architect”) for the Project. At the time the Design-Builder is selected, it is envisioned that the schematic design will be complete, and the selected builder will work with the Architect to advance the design in a collaborative manner. It is envisioned that the selected builder will provide a GMP shortly after the design development phase is complete. The GMP will be based on these documents, which are referred to in the Form of Contract as the “GMP Basis Documents”, and the builder will be required to obtain quotes from trade subcontractors based on such documents. The process by which the GMP will be formed is more fully described in the Form of Contract.

The Department anticipates that the GMP will be finalized and approved by the Council in late June of this year. This will leave approximately 14 months to construct the building (the “Construction Phase”). The Department will authorize selective release of long-lead items during the preconstruction phase as necessary to maintain the schedule. The Department anticipates that hazardous material abatement and demolition activities will be released prior to the approval of a GMP for the Project. The Department will also consider early release of foundation-to-grade work if necessary to maintain the schedule.

A.2 Compensation

As is more fully described in the Form of Contract, this will be a cost plus a fixed fee with a guaranteed maximum price type contract. Offerors will be required to submit with their proposals the following: (i) a Preconstruction Fee; (ii) a Design-Build Fee; (iii) a General Conditions Budget; and (iv) an Abatement and Demolition Lump Sum Price. The Preconstruction Fee and the Design-Build Fee will be fixed fees; general conditions shall be reimbursable subject to a cap equal to the General Conditions Budget bid by the Offeror. The Abatement and Demolition Lump Sum Price should include sufficient funding to cover all of the costs necessary to abate all hazardous materials in and raze the existing structure, including, but not limited to, labor, materials, trade subcontractor costs, general conditions, insurance and bonding, home office overhead and profit. All of these price components should be submitted in an Offer Letter in substantially the form of **Attachment B** on the Offeror's letterhead.

It is the Department's intent to engage the Design-Builder to: (i) manage the design process between March 2013 and May 2013; (ii) abate and demolish the existing structure between March 2013 and June 2013; and (iii) put into place work of approximately \$35 million between June 2013 and August 2014. The Design-Builder shall not be entitled to any additional fees or general conditions unless (i) the Department makes additions to the scope provided for in the GMP Amendment which cause the GMP to increase by more than ten percent (10%); or (ii) the Department makes additions to the scope provided for in the GMP Amendment which will require the Design-Builder's services to extend beyond September 30, 2014. Please note, however, that punchlist activities may extend beyond the Substantial Completion Date and that such activities will not entitle the Design-Builder to additional fees or general conditions.

A.3 Form of Contract

The Form of Contract will be issued by Addendum. Offerors should carefully review the Form of Contract when submitting their proposal. To the extent there are any inconsistencies between this RFP and the Form of Contract, the Form of Contract shall prevail. Offerors are further advised that they are required to submit their proposal premised upon entering into a contract that is substantially similar to the Form of Contract and that any proposed changes to the Form of Contract must be clearly identified and described in their proposal. A proposal that fails to specifically identify and describe the requested changes shall be deemed non-responsive.

A.4 Incentives for On-time; On-Budget Completion & Meeting Workforce Goals

In the event the Project is both (i) Substantially Complete no later than August 15, 2014; and (ii) delivered for an amount that does not exceed the GMP, the Design-Builder will be entitled to incentive fee in the amount of Ten Percent (10%) of the design-build fee bid. If both of these goals (i.e. if the Project is late or over budget) are not, for any reason, met, the Design-Builder will only be entitled to Ninety Percent (90%) of the design-build fee bid. In determining entitlement to these fees, the decision shall be made irrespective of fault and regardless of which party was responsible for the objectives not being met. The Form of Contract will provide more details on these provisions. This Project will be included in the Workforce Incentive Program,

and the Design-Build Fee will be increased by 5% if the Workforce Utilization Requirement established with the GMP submission is met.

A.5 Economic Inclusion

The Department requires that Local, Small and Disadvantaged Business Enterprises (“LSDBEs”) participate in this project to the greatest extent possible and desires that such businesses perform at least fifty percent (50%) of the work under this procurement. At least thirty five percent (35%) must be awarded to entities that are certified as Small Business Enterprises by the District of Columbia Department of Small and Local Business Development, and twenty percent (20%) to entities that are certified as Disadvantaged Business Enterprises. The Department will also require that the selected design-builder and all of its subconsultants, subcontractors, and suppliers, enter into a First Source Employment Agreement with the Department of Employment Services and hire fifty-one percent (51%) District residents for all new jobs created on the project. Please see **Part C** of this RFP for additional information.

In addition to LSDBE participation as described above, the Department requires that District residents participate in the Project to the greatest extent possible. Prior to the Design-Builder obtaining trade bids for the work, the Department will establish a minimum requirement for the percentage of labor hours worked by District residents on the project (such requirement, the “Workforce Utilization Requirement”). Offerors shall submit with their proposals a Workforce Utilization Plan outlining how they intend to increase participation by DC residents in the performance of the work on this Project.

A.6 Selection Criteria

Proposals will be evaluated in accordance with **Part D** of this RFP. The following evaluation criteria will be used:

- Experience & References (15 points)
- Key Personnel (15 points)
- Fast-Track Experience (10 points)
- Project Management Plan (10 points)
- Preliminary Project Schedule (15 points)
- Cost (25 points)
- LSDBE Compliance/Utilization (5 points)
- Workforce Utilization Plan (5 points)

A.7 Procurement Schedule

The schedule for this procurement is as follows:

- Issue RFP - February 25, 2013
- Pre-proposal Conference - March 5, 2013 at 12:00 pm
- Last Day for Questions/Clarifications - March 8, 2013
- Proposals Due - March 14, 2013 at 2:00 pm
- Notice of Award - March 29, 2013

A.9 Project Schedule

- Preconstruction services letter contract - April 1, 2013
- Begin Abatement and Demolition - mid April, 2013
- Complete design development documents - end April 2013
- Solicit Trade Bids - May 2013
- GMP Submission - May 31, 2013
- Value Engineer/GMP Negotiations - June 1 to 7, 2013
- Finalize GMP - June 10, 2013
- Council approval/NTP Construction Phase - June 26, 2013
- Substantial Completion - August 15, 2014

A.10 Attachments

- | | |
|---------------------|-------------------------------|
| Attachment A | - Educational Specifications |
| Attachment B | - Form of Offer Letter |
| Attachment C | - Disclosure Statement |
| Attachment D | - Tax Affidavit |
| Attachment E | - Davis-Bacon Wage Rates |
| Attachment F | - Bid Guarantee Certification |
| Attachment G | - Hazardous Materials Report |

SECTION B SCOPE OF WORK

B.1 Scope of Work

The Design-Builder's scope of work will generally be divided into two (2) phases as is more fully described below. In general, however, the Design-Builder will be required demolish the existing facility, and to fully design and construct the Project for an amount that does not exceed the agreed upon Guaranteed Maximum Price no later than August 15, 2014. Without limiting the generality of the foregoing, the Design-Builder shall be required to provide all of the management, personnel, design services, labor, materials and equipment necessary to complete the Project.

B.2 Preconstruction Phase

The Preconstruction Phase will run from NTP through the execution of the GMP Amendment. During this phase, the Design-Builder will be required to: (i) abate hazardous materials in and demolish the existing facility; (ii) work with the Architect to advance the design; (iii) obtain bids from trade subcontractors to perform the work described in the bid set and provide bid tabulations to the Department; (iv) engage in any value engineering and scoping exercises necessary to return the cost of the work to the Project Budget; (v) engage in preconstruction activities, including identifying any long-lead items; (vi) develop a GMP proposal for the Project; and (vii) enter into a GMP Amendment for the Project.

Note that the Department will award a short form letter contract for preconstruction services, abatement and demolition concurrently with the notice of award. A copy of that form will be issued with the Form of Contract by addendum.

B.2.1 Initial Design Review

The Design-Builder shall conduct an independent assessment of the schematic documents prepared by the Architect. This review should include a detailed preliminary estimate and a constructability review. This review shall also identify any potential long-lead items that could adversely impact the schedule. Finally, the Design/Builder shall prepare and submit a preliminary project schedule. All of these items shall be completed within 15 days after the notice to proceed is issued.

B.2.2 GMP Basis Document Scope Review

Within 21 days after the notice to proceed is issued, the Builder shall meet with the Architect and develop a detailed description of the information that will be required in the GMP Basis Documents. Among other things, this description shall include the level of detail that will be required in the MEP drawings.

B.2.3 Design Development Review

The Design/Builder shall conduct a detailed, line item cost estimate of the design development documents. To the extent that the estimate indicates a scope that is inconsistent with the Department's budget for this Project, the Design/Builder shall work with the Department and the Architect to develop a set of recommendations that will return the Project to budget.

B.2.4 Construction Document Design Reviews

Based on the design development estimate as well as the agreed upon scope revision, if any, that were developed at the end of the design development phase, the Design/Builder shall conduct at least one "over the shoulder" review session for each major trade package with the Architect. These "over the shoulder" review sessions shall be scheduled at appropriate times for such review and further information will be included in the Form of Contract.

B.2.5 Trade Bidding Process

No later than April 20, 2013, the Design-Builder shall provide to the Department a written submission on the proposed bidding procedures. Such procedures shall include: (i) a list of proposed trades packages; (ii) a list of trade subcontractors that will be invited to bid on each such package; and (iii) a narrative description of the process. In addition to the information normally required in such bids, the Design-Builder shall also require subcontractors to provide an estimate of the percentage of labor hours performed in completing the subcontracted work which will be performed by District residents.

B.2.6 Bidding

The Design/Builder shall obtain bids from trade subcontractors for the key elements of the work. At least three (3) proposals shall be solicited for each key element of the work. To the extent that elements of the work are not sufficiently advanced at the time the GMP is to be formed for effective bidding with the trade subcontract markets, those elements of the work will be bid at a later date. The Design-Builder shall provide to the Department a bid tabulation, including the workforce participation estimates, of the trade bids obtained.

B.2.7 Value Engineering & Scope Assessment

Based on the trade bids, the Design-Builder shall prepare a written report of suggested value engineering strategies necessary to reconcile the costs of constructing the Project with the Department's budget for the Project. The Design-Builder shall meet with the Department's representatives to discuss any value engineering and changes in scope.

B.2.8 GMP Formation

Based on any value engineering, scope modifications and approved changes in the Project Budget, the Design-Builder shall prepare and submit to the Department a GMP proposal. The Department's GMP proposal shall represent the Design-Builder's offer to Fully Complete the Project. The GMP proposal shall include: (i) a line item construction budget; (ii) a detailed CPM schedule; (iii) a listing of the drawings upon which the GMP is based; (iv) an LSDBE utilization plan; and (v) a workforce utilization plan. The GMP Proposal will include an agreed upon protocol with the Architect for the manner in which construction administration services will be provided and any necessary adjustments to the Architect's contract. In the event that the Department and the Design-Builder are unable to agree upon a GMP or schedule for the Project, the Department shall have the right to terminate the contract and assume any trade subcontracts held by the Design-Builder. In such an event, the Design-Builder shall only be entitled to 50% of the preconstruction fee.

B.2.9 Abatement & Demolition. During the Preconstruction Phase, the Design-Builder will be required to abate any and all hazardous materials in the existing facility, in accordance with EPA and all jurisdictional agencies, in preparation for its demolition. The Design-Builder will be required to obtain a "clean letter" and file for a raze permit. The Design-Builder shall raze the existing facility.

B.2.10 Preconstruction. In addition to those items enumerated above, the Design-Builder shall provide such preconstruction services as are necessary to properly advance the Project. These services shall include, but are not necessarily limited to, scheduling, estimating, shop-drawings, and the ordering of long-lead materials.

B.2.11 Deliverables. The following deliverables are required during the Preconstruction Phase. In the event that the Design-Builder fails to provide any deliverable listed below, the Design-Builder shall forfeit its pre-construction fee.

- a. Preliminary Schedule
- b. List of Long Lead Items and Recommendations for purchase.
- c. Over the shoulder design reviews
- d. List of subcontractors from which the Design-Builder intends to solicit bids.
- e. Trade bid tabulations.
- f. Report outlining value engineering strategies.
- g. GMP Proposal.

B.3 Construction Phase

During the Construction Phase, the Design-Builder shall be required to cause the construction to be completed in a manner consistent with the design documents approved by the Department and shall provide all labor, materials and equipment necessary to fully construct the Project in accordance with the drawings, specifications, schedule and budget that are issued for the Project not later than August 15, 2014.

B.3.1 Management Services.

In order to properly manage the Project, the Design-Builder shall be required to undertake the following tasks:

- Participate and assist in Project/Planning meetings.
- Provide and maintain a fully equipped office on-site to perform all required Contractor duties.
- Maintain full-time, on-site construction supervision and provide daily inspections, quality control, monitoring, coordination of various trades, record drawings, and daily work log.
- Conduct weekly progress meetings following a contractor generated agenda with the Program Manager and all trades.
- Provide general safety and signage and posting for the project and see that each subcontractor prepares and submits adequate safety program and monitoring throughout the project.
- Provide a written monthly report that includes (i) an updated schedule analysis, (ii) an updated cost report, and (iii) a monthly review of cash flow.
- Manage the change order process with the trade subcontractors to verify validity, purpose, and cost.
- Prepare payment requests, verify accuracy and forward for approval and payment.
- Assemble close-out documents required.
- Provide assistance to DCPS and DGS through any applicable warranty periods.

B.3.2 Mobilization

The Design-Builder will be required to undertake the tasks described below.

B.3.2.1 Take control of the site and install the necessary construction fences and other devices to properly secure the site.

B.3.2.2 Abate hazardous materials in the existing facility, in accordance with EPA and all jurisdictional agencies.

B.3.2.3 The Design-Builder shall be responsible for all interior and exterior demolition necessary to complete the Project.

B.3.2.4The Design-Builder shall be responsible for salvaging and storing all items as identified by the Department.

B.3.2.5The Design-Builder shall be responsible for paying all permits and fees associated with the abatement, demolition, utilities abandonment, and utility relocation. The Department shall be responsible for the building permit fees, but the Design-Builder shall be responsible for all trade Design-Builder permit fees.

B.3.2.6The Design-Builder shall be responsible for all performance and payment bonds and general liability insurance.

B.3.2.7The Design-Builder shall be responsible for removing the balance of construction debris off site.

B.3.3 Trade Work; Subcontracts

It is contemplated that all or nearly all of the work will be performed by trade subcontractors under written subcontracts to the Design-Builder. The Design-Builder will not be permitted to self-perform work.

B.3.3 Site Safety and Clean-up

B.3.3.1The Design-Builder will be required to provide a safe and efficient site. Controlled access shall be required.

B.3.3.2The Design-Builder shall be required to provide wheel washing stations on site so as to prevent the accumulation of dirt and other refuse on the streets surrounding the project site.

B.3.3.3The Design-Builder shall be responsible for site security and shall be required to provide such watchman as are necessary to protect the site from unwanted intrusion. Note that the Design/Builder shall be responsible for providing a secure location for storing electronics and other valuable equipment such as computers.

B.3.3.4The Design-Builder shall be responsible for the cost of temporary power used during the construction of the Project, including, but not limited to, the cost of installing such temporary wiring as may be required to bring power to the site. The Design-Builder shall also be responsible for the cost of all temporary construction necessary on the site.

B.3.4 FF&E

B.3.4.1The Design-Builder shall be responsible for purchasing and providing FF&E. A detailed list of FF&E requirements will be developed during the preconstruction phase.

B.3.4.2The Design-Builder shall be required to prepare and submit at close-out a complete set of product manuals, warranties, etc. The Design-Builder shall also provide the Department with a

complete set of its Project files, including, but not limited to, shop drawings, etc. at close out so as to assist the Department in operating the building.

B.4 Move in Period

The renovation work will need to be substantially complete no later than August 15, 2014. Punchlist and other non-disruptive work may continue after that date provided it is completed prior to the beginning of the 2014/15 school year. Design-Builder will be required to coordinate such work with school personnel and will need to accommodate their requirements in getting the school ready for the upcoming school year. In addition, the GMP will include an allowance of \$50,000 for work directed by the Department to assist in the school move-in and cleaning process. It is contemplated that the Design-Builder will be required to provide an on-site crew of laborers to assist in moving furniture and other small jobs as requested by the Department.

B.5 Key Personnel

In its proposal, each Offeror will be required to identify its key personnel. Key personnel shall include, at a minimum, the following individuals: (i) the Project Executive; (ii) the Field Superintendent; and (iii) key project managers (i.e. the project managers responsible for structural, mechanical, electrical and special systems). The Contactor will not be permitted to reassign any of the key personnel unless the Department approves the proposed reassignment and the proposed replacement. Please provide a table that identifies the specific staff that will be assigned to this Project, the time periods during which the individual will work on the Project, his or her level of effort (i.e. the percentage of time devoted to this project), and whether the individual will be funded through the Design-Builder's fee or general conditions.

B.6 Licensing, Accreditation and Registration

The Design-Builder and all of its subcontractors and subconsultants (regardless of tier) shall comply with all applicable District of Columbia, state, and federal licensing, accreditation, and registration requirements and standards necessary for the performance of the contract. Without limiting the generality of the foregoing, all drawings shall be signed and sealed by a professional architect or engineer licensed in the District of Columbia.

B.7 Conformance with Laws

It shall be the responsibility of the Design-Builder to perform under the contract in conformance with the Department's Procurement Regulations and all statutes, laws, codes, ordinances, regulations, rules, requirements, orders, and policies of governmental bodies.

B.8 Davis-Bacon Act

The Davis-Bacon Act is applicable to this Project. As such, the Design-Builder and its trade subcontractors shall comply with the wage and reporting requirements imposed by that Act.

B.9 Apprenticeship Act

The Apprenticeship Act shall apply to this contract and the Design-Builder and all of its trade subcontractors shall be required to comply with that act.

B.10 Time if of the Essence

Time is of the essence with respect to the contract. The Project must be substantially complete by August 15, 2014. As such, the Design-Builder must dedicate such personnel and other resources as are necessary to ensure that the Project is completed on-time and in a diligent, skilled, and professional manner.

SECTION C ECONOMIC INCLUSION

C.1 Preference for Small, Local, and Disadvantaged Business Enterprises

General: Under the provisions of the Small, Local, and Disadvantaged Business Enterprise Development and Assistance Act of 2005, D.C. Law 16-33 (codified at D.C. Code § 2-218.01 et seq.), preferences shall be given to Offerors that are certified by the Department of Small and Local Business Development as being a small business enterprise, having resident business ownership, having a longtime resident business, being a local business enterprise, being a disadvantaged business enterprise, being a local business enterprise with its principal office located in an enterprise zone, being a veteran-owned business enterprise, or being a local manufacturing business enterprise. (A copy of the certification acknowledgment letter must be submitted with the Offeror's Proposal.) In accordance with these laws, the following preferences shall be awarded in evaluating an Offeror's proposal:

- Three (3) preference points shall be awarded if the Offeror is certified as having a small business enterprise.
- Five (5) preference points shall be awarded if the Offeror is certified as having a resident business ownership.
- Five (5) points shall be awarded if the Offeror is certified as having a longtime resident business.
- Two (2) preference points shall be awarded if the Offeror is certified as a local business enterprise.
- Two (2) preference points shall be awarded if the Offeror is certified as being a local business enterprise with its principal office located in an enterprise zone.
- Two (2) preference points shall be awarded if the Offeror is certified as a disadvantaged business enterprise.
- Two (2) preference points shall be awarded if the Offeror is certified as a veteran-owned business enterprise.
- Two (2) preference points shall be awarded if the Offeror is certified as a local manufacturing business enterprise.

Offerors may qualify for more than one of these categories, so that the maximum number of points available under this section is 12 points.

Information: For information regarding the application process, contact the Department of Small and Local Business Development at the following address or telephone number:

Department of Small and Local Business Development
One Judiciary Square Building
441 4th Street, NW, 9th Floor
Washington, DC 20001
(202) 727-3900 (Telephone Number)
(202) 724-3786 (Facsimile Number)

C.2 SLDBE Participation

The Department requires that significant participation by business enterprises certified by the Department of Small and Local Business Development as: (i) a local business enterprise; (ii) a small business enterprise; (iii) a disadvantaged business enterprise; (iv) having a owned resident business; (v) being a longtime business resident; or (vi) having a local business enterprise with its principal office located in an enterprise zone. Accordingly, and in addition to the preference points conferred by **Section C.1**, the Department requires that business enterprises so certified must participate in at least 50% of the project. Of this amount, 35% must be awarded to entities that are certified as Small Business Enterprises by the District of Columbia Department of Small and Local Business Development and 20% to entities that are certified as Disadvantaged Business Enterprises. Offerors will be required to submit a Local Business Enterprise Utilization Plan with their proposals. The Utilization Plan must demonstrate how this requirement will be met and, to the extent possible at this stage in the project, should identify the specific firms that will be used and their respective roles.

C.3 Residency Hiring Requirements for Contractors and Subcontractors

At least fifty-one percent (51%) of the Offeror's Team and every subconsultant's employees hired after the Offeror enters into a contract with the Department, or after such subconsultant enters into a contract with the Offeror, to work on this project, shall be residents of the District of Columbia. Upon execution of the contract, the Offeror and all of its member firms, if any, and each of its subcontractors and subconsultants shall submit to the Department a list of current employees that will be assigned to the project, the date that they were hired and whether or not they live in the District of Columbia.

The Offeror shall comply with subchapter X of Chapter II of Title 2, and all successor acts thereto, including by not limited to the *Workforce Intermediary Establishment and Reform of First Source Amendment Act of 2011*, and the rules and regulations promulgated thereunder, including, but not limited to the following requirements:

- (i) At least 20% of journey worker hours by trade shall be performed by District residents;
- (ii) At least 60% of apprentice hours by trade shall be performed by District residents;
- (iii) At least 51% of the skilled laborer hours by trade shall be performed by District residents; and
- (iv) At least 70% of common laborer hours shall be performed by District residents.

The Offeror and all member firms, subcontractors, tier subcontractors, subconsultants, and suppliers with contracts in the amount of \$100,000 or more shall be required to comply with the following: (i) enter into a First Source Employment Agreement with the D.C. Department of Employment Services ("DOES") upon execution of the contract; (ii) submit an executed First Source Agreement to DOES prior to beginning work on the project; (iii) make best efforts to hire at least 51% District residents for all new jobs created by the project; (iv) list all employment vacancies with DOES; (v) submit monthly compliance reports to DOES by the 10th of each month; (vi) at least 51% apprentices and trainees employed must be residents of the District

registered in program approved by the D.C. Apprenticeship Council; and (vii) trade contractors and subcontractors with contracts in the amount of \$500,000 or more must register an apprenticeship program with the D.C. Apprenticeship Council.

C.4 Apprenticeship Act

The D.C. Apprenticeship Act of D.C. Law 2-156, (“Act”) as amended shall apply to this project. All subcontractors selected to perform work on the project on a craft-by-craft basis shall be required to comply with this Act. All terms and conditions of the D.C. Apprenticeship Council Rules and Regulations shall be implemented. Please note that 35% of all apprenticeship hours worked must be performed by District residents. The Contractor shall be liable for any subcontractor non-compliance.

SECTION D EVALUATION AND AWARD CRITERIA

D.1 Evaluation Process

The Department shall evaluate submissions and any best and final offers in accordance with the provisions of this **Section D** and the Department's Procurement Regulations.

D.2 Evaluation Committee

Each submission shall be evaluated in accordance with this **Section D** by an Evaluation Committee. The Evaluation Committee shall prepare a written report summarizing its findings and submit the same to the source selection official. Based on the information submitted by the Offerors in response to this RFP and the report prepared by the Evaluation Committee, the source selection official shall select the Offeror(s) whose submissions are determined by the source selection official to be the most advantageous to the Department.

D.3 Oral Presentation

The Department does not intend to interview Offerors; however, it reserves the right to award without such interviews. If the Department conducts such interviews, each Offeror within the competitive range shall make an oral presentation to the Department's Evaluation Committee, and participate in a question and answer session. The purpose of the oral presentation and the question and answer session is to permit the Evaluation Committee to fully understand and assess the qualifications of each Offeror and the Offeror's key personnel. The submission will be re-scored at the conclusion of the oral presentation.

D.3.1 Length of Oral Presentation

Each Offeror will be given up to 60 minutes to make the presentation. At the end of the initial presentation, there will be a break for approximately 45 minutes for the Evaluation Committee to assess the presentation and prepare questions. The Offeror will then respond to questions from the Department's Evaluation Committee for no more than 90 minutes.

D.3.2 Schedule

The order of presentation will be selected randomly and the Offerors will be informed of their presentation date before the beginning of oral presentations. The Department reserves the right to reschedule any Offeror's presentation at the discretion of the contracting officer.

D.3.3 Offeror Attendees

The oral presentation will be made by the Offeror's personnel who will be assigned the key jobs for this project. Each Offeror will be limited to 7 persons. The job functions of the persons attending the presentation will be considered to be an indication of the Offeror's assessment of

the key areas of responsibility that are deemed essential to the successful completion of the project.

D.3.4 Topics

The Offeror may present information about its capabilities and special qualifications to serve as a contractor for this Project, including the qualifications of key personnel.

D.4 Proposal Evaluation

Each proposal will be scored on a scale of 1 to 100 points. In addition, Offerors will be eligible to receive up to 12 preference points as described in **Section C.1** of this RFP for participation by Local, Small or Disadvantaged Business Enterprises. Thus, the maximum number of points possible is 112. The contract will be awarded to the contractor with the highest evaluated score.

D.4.1 Experience & References (15 points)

The Department desires to engage a Design-Builder with the experience necessary to realize the objectives set forth in the RFP. This component will be evaluated based on their demonstrated experience in: (i) construction projects in an urban setting; (ii) managing design-build projects; (iii) construction and/or modernization of school facilities and extensive knowledge of school facilities; (iv) knowledge of, and access to, the local subcontracting market; and (v) knowledge of the local regulatory agencies and Code Officials. In evaluating these subfactors, the Department will consider, among other things, the Offeror's track record in delivering projects on-time and on-budget. If the Offeror is a team or joint venture of multiple companies, the Evaluation Panel will consider the experience of each member of the team or joint venture in light of their role in the proposed team or joint venture. This element of the evaluation will be worth up to fifteen (15) points.

D.4.2 Key Personnel (15 points)

The Department desires that the Design-Builder assign the appropriate number of personnel having the necessary seniority to implement a project of this type. The personnel should have experience working together and each such individual should have the necessary level of experience and education for his or her proposed role. Proposals should identify, at a minimum, (i) the Project Executive; (ii) the Field Superintendent; (iii) the key project managers (i.e. the project managers responsible for structural, mechanical, electrical and special systems). The availability and experience of the key individuals assigned to this project will be evaluated as part of this element. Please provide a table that identifies the specific staff that will be assigned to this project. The table should include: (i) the individual's name (if known); (ii) his or her title; (iii) his or her level of effort (i.e. the percentage of time devoted to this project); and (iv) the time periods during which the individual will be assigned to the project. This table should include all personnel that will be assigned to the project. Please identify whether the personnel will be funded from general conditions or whether they are home or regional office personnel that are

non-reimbursable (i.e. funded from fee). This element of the evaluation will be worth up to fifteen (15) points.

D.4.3 Cost (25 points)

Offerors will be required to bid a Preconstruction Fee, a Design-Build Fee, a General Conditions Budget and a Hazardous Materials Abatement & Demolition Lump Sum. This element of the evaluation will be worth up to twenty-five (25) points.

D.4.4 Management Plan (10 points)

Offerors are required to submit with their proposal a Management Plan. This element of the evaluation will be worth up to ten (10) points.

The Management Plan should clearly explain how the Design-Builder intends to manage and implement the Project. It should demonstrate a knowledge of the process and impediments that must be overcome and ensure that sufficient staffing will be provided. At a minimum, the plan should: (i) explain how the Design-Builder will manage the engineering subconsultants so as to ensure that the drawings are properly coordinated; (ii) explain how the Design-Builder will manage the value engineering/management process; (iii) explain how the Design-Builder proposes to staff and handle construction administration; (iv) explain how the Design-Builder will manage the design process; (v) describe the key challenges inherent in this Project and explain how they will be overcome or mitigated; and (vi) explain the preliminary schedule and how the Design-Builder will manage issues related to the compressed schedule.

The Management Plan should also: (i) identify the key personnel and their specific roles in managing the Project; (ii) identify the key milestone dates and provide a description of how these dates will be achieved; (iii) provide a skeletal schedule of the work and the phasing of construction; (iv) describe how the Design-Builder intends to address and overcome issues related to compressed schedule; and (v) describe the cost control management structures that will be used to ensure the Project is delivered on-budget. The Department will also consider the experience that the Contractor and its team members have working together on similar projects. This element of the evaluation is worth up to ten (10) points).

D.4.5 Preliminary Schedule (15 points)

Offerors should submit with their Management Plan a schedule that shows the anticipated manner in which the design will be prepared and how it relates to the proposed construction schedule for this Project. The schedule should show sufficient level of detail so as to demonstrate the Offeror's understanding of the Project and the key issues related to the Project. This element of the evaluation is worth up to fifteen (15) points.

D.4.6 LSDBE Compliance/Utilization (5 points)

The Department desires the selected design-builder to provide the maximum level of participation for Local, Small and Disadvantaged Business Enterprises as well as employment opportunities for District of Columbia residents. Offerors will be evaluated in light of their demonstrated experience in meeting such goals and their proposed LSDBE Utilization Plan. This element of the evaluation will be worth up to five (5) points.

D.4.7 Workforce Utilization Plan (5 points)

The Department desires the selected design-builder to provide the maximum level of participation by District of Columbia residents in performing the work. As part of their proposals, Offerors must provide a Workforce Utilization Plan which demonstrates how it will identify qualified District residents to perform work on the project and increase participation by District residents. This element of the evaluation will be worth up to five (5) points.

D.4.8 Fast-Track Experience (10 points)

The Department desires that the selected design-builder have substantial experience in implementing design-build projects on a fast-track schedule. The Design-Builder will be evaluated based on its demonstrated experience in: (i) managing the design to scope and budget; (ii) working with designer to develop bid packages based on design development documents or incomplete construction documents; (iii) estimating construction costs based on design development documents; and (iv) purchasing on fast-track schedules. This element of the evaluation will be worth up to ten (10) points.

SECTION E PROPOSAL ORGANIZATION AND SUBMISSION

This section outlines specific information necessary for the proper organization and manner in which Offerors' Proposals should be proffered. References are made to other sections in this RFP for further explanation.

E.1 Submission Identification

Submissions shall be proffered in an original and eight (8) copies. The Offeror's submission shall be placed in a sealed envelope conspicuously marked: "Proposal for Design-Build Services for the Brookland Middle School"

E.2 Delivery or Mailing of Submissions

Submissions should be delivered or mailed to:

DC Department of General Services
Att'n: JW Lanum
Frank D. Reeves Center
2000 14th Street, NW, 5th Floor
Washington, DC 20009

E.3 Date and Time for Receiving Submissions

Submissions shall be received no later than 2:00 pm EST, on March 14, 2013. The Offeror assumes the sole responsibility for timely delivery of its Submission, regardless of the method of delivery.

E.4 Submission Size, Organization and Offeror Qualifications

All submissions shall be submitted on 8-1/2" x 11" bond paper and typewritten. Telephonic, telegraphic, and facsimile submissions shall not be accepted. The Department is interested in a qualitative approach to presentation material. Brief, clear and concise material is more desirable than quantity. The submission shall be organized as follows:

E.4.1 Bid Form

Each Offeror shall submit a bid form substantially in the form of **Attachment B**. Material deviations, in the opinion of the Department, from the bid form shall be sufficient to render the proposal non-responsive.

E.4.2 Disclosure Form

Each Offeror shall submit a Disclosure Statement substantially in the form of **Attachment C**.

E.4.3 Executive Summary

Each Offer should provide a summary of no more than three pages of the information contained in the following sections.

E.4.4 General Team Information and Firm(s) Data

Each Offeror should provide the following information for the Design-Builder and each of its subconsultants.

- A. Name(s), address(es), and role(s) of each firm (including all sub-consultants)
- B. Firm profile(s), including:
 - i. Age
 - ii. Firm history(ies)
 - iii. Firm size(s)
 - iv. Areas of specialty/concentration
 - v. Current firm workload(s) projected over the next year
 - vi. Provide a list of any contract held by the Offeror where the contract was terminated (either for default or convenience). This list should also identify any contracts that resulted in litigation or arbitration between the Owner and the Offeror. If the Offeror has multiple offices, only contracts held by the office submitting this proposal need be listed.
- C. Description of the team organization and personal qualifications of key staff, including:
 - i. Identification of the single point of contact for the Design-Builder.
 - ii. Organizational chart illustrating reporting lines and names and titles for key participants proposed by the team.
 - iii. Resumes for each key participant on the team, including definition of that person's role, relevant project experience, and current workload over the next two years.
 - iv. Experience that the key team members have working together.

E.4.5 Relevant Experience and Capabilities

- A. Detailed descriptions of no more than eight (8) projects that best illustrate the team's experience and capabilities relevant to this project. On each project description, please provide all of the following information in consistent order:
- i. Project name and location
 - ii. Name, address, contact person and telephone number for owner reference
 - iii. Brief project description including project cost, square footage, firm's scope of work, and key firm strengths exhibited
 - iv. Identification of personnel involved in the selected project who are proposed to work on this project
 - vi. Project process and schedule data including construction delivery method, and construction completion date (any unusual events or occurrences that affected the schedule should be explained)
 - vii. Construction cost data including pre-construction budget, and actual construction cost (if actual construction cost exceeds original, please explain why)

E.4.6 Project Management Plan

Each Offeror should submit a Project Management Plan that addresses the issues set forth in Section D.4.4 of this RFP.

E.4.7 Preliminary Project Schedule

Each Offeror should prepare a preliminary project schedule that shows how the Offeror intends to complete the project in a timely manner. The schedule should be prepared using a critical path method and should show key logic ties and activity durations. The schedule should demonstrate that the Offeror understands the project and has a workable method to deliver the project in a timely manner.

E.4.8 Cost Information

The Offeror should submit the Bid Form in substantially the form of **Attachment B**.

E.4.9 Local Business Utilization Plan

Each Offeror must submit a proposed Local Business Utilization Plan that identifies the specific certified business enterprises that will participate in the contract and their anticipated roles. In addition, each Offeror should provide: (i) a narrative description of similar projects and the Offeror's success in meeting such goals; and (ii) a chart, in summary form, that identifies the Offeror's major public projects over the last five years and its success in achieving such goals (creativity should be displayed regarding joint-venture and subcontractor agreements).

E.4.10 Workforce Utilization Plan

Each Offeror must submit a Workforce Utilization Plan that describes how the Offeror will increase participation by District residents in performing the labor necessary for the Project. The plan should set forth how specifically the Offeror will implement its plan to increase participation by District residents. The Offeror shall also provide a chart, in summary form, that depicts the level of participation by District residents in past projects with the District.

E.4.11 Tax Affidavit

Each Offeror must submit a tax affidavit substantially in the form of **Attachment D**. In order to be eligible for this procurement, Offerors must be in full compliance with their tax obligations to the District of Columbia government.

E.4.12 Fast-Track Experience

Each Offeror must demonstrate substantial experience in implementing design-build projects on a fast-track schedule. This should include prior experience with fast-track project and a narrative of strategies that the Offeror anticipates will be utilized in order to deliver this Project.

SECTION F BIDDING PROCEDURES & PROTESTS

F.1 Contact Person

For information regarding this RFP please contact:

Thomas D. Bridenbaugh
Leftwich & Ludaway, LLC
1400 K Street, NW
Suite 1000
Washington, D.C. 20005
Phone: (202) 434-9100
Facsimile: (202) 783-3420

Any written questions or inquiries should be sent to Thomas Bridenbaugh at the address above.

F.2 Preproposal Conference

A preproposal conference will be held on March 5, 2013 at 12:00 p.m. The conference will be held at the Frank D. Reeves Center, 2nd Floor Community Room, 2000 14th Street, NW, Washington, DC 20009. Interested Offerors are strongly encouraged to attend.

F.3 Explanations to Prospective Offerors

Each Offeror should carefully examine this Request for Proposals and any and all amendments, addenda or other revisions, and thoroughly familiarize itself with all requirements prior to proffering a submission. Should an Offeror find discrepancies or ambiguities in, or omissions from, the RFP and amendments, addenda or revisions, or otherwise desire an explanation or interpretation of the RFP, any amendments, addenda, or revisions, it must submit a request for interpretation or correction in writing. Any information given to an Offeror concerning the solicitation shall be furnished promptly to all other Offerors as an amendment or addendum to this RFP if in the sole discretion of the Department that information is necessary in proffering submissions or if the lack of it would be prejudicial to any other prospective Offerors. Oral explanations or instructions given before the award of the contract shall not be binding.

Requests should be directed to Thomas Bridenbaugh at the address listed in Section F.1 no later than the close of business on March 8, 2013. The person making the request shall be responsible for prompt delivery.

F.4 Protests

Protests shall be governed by Section 4734 of the Department's Procurement Regulations (27 DCMR § 4734). Protests alleging defects in this solicitation must be filed prior to the time set for receipt of submissions. If an alleged defect does not exist in this initial RFP, but was incorporated into the RFP by an amendment or addendum, a protest based on that defect must be

filed before the next closing time established for proffering submissions. In all other cases, a protester shall file the protest within ten (10) days after the protester knows or should have known, whichever is earlier, of the facts and circumstances upon which the protest is based. All protests must be made in writing to the Department's Chief Contracting Officer ("CCO") and must be filed in duplicate. Protests shall be served on the Department by obtaining written and dated acknowledgment of receipt from the Department's CCO. Protests received by the Department after the indicated period shall not be considered. To expedite handling of protests, the envelope shall be labeled "Protest".

This section is intended to summarize the bid protest procedures and is for the convenience of the Offerors only. To the extent any provision of this section is inconsistent with the Procurement Regulations, the more stringent provisions shall prevail.

F.5 Contract Award

This procurement is being conducted in accordance with the provisions of Section 4712 of the Department's Procurement Regulations (27 DCMR § 4712).

F.6 Retention of Submissions

All submissions shall be retained by the Department and therefore shall not be returned to the Offerors. With the exception of proprietary financial information, the submissions shall become the property of the Department and the Department shall have the right to distribute or use such information as it determines.

F.7 Examination of Submissions

Offerors are expected to examine the requirements of all instructions (including all amendments, addenda, attachments and exhibits) in this RFP. Failure to do so shall be at the sole risk of the Offeror and may result in disqualification.

F.8 Late Submissions: Modifications

- A. Any submission or best and final offer received at the office designated in this RFP after the exact time specified for receipt shall not be considered.
- B. Any modification of a submission, including a modification resulting from the CCO's requests for best and final offers, is subject to the same conditions as in F.8.A stated above.
- C. The only acceptable evidence to establish the time of receipt at the Department's office is the time-date stamp of such installation on the submission wrapper or other documentary evidence of receipt maintained by the installation.

- D. Notwithstanding any other provisions of this Request for Proposals to the contrary, a late modification of an otherwise successful submission which makes its terms more favorable to the Department may be considered at any time it is received and may be accepted.
- E. Submissions shall be irrevocable and remain in full force and effect for a period not less than 120 days after receipt of submissions.

F.9 No Compensation for Preparation of Submissions

The Department shall not bear or assume any financial obligations or liabilities regarding the preparation of any submissions submitted in response to this RFP, or prepared in connection therewith, including, but without limitation, any submissions, statements, reports, data, information, materials or other documents or items.

F.10 Rejection of Submissions

The Department reserves the right, in its sole discretion:

- A. To cancel this solicitation or reject all submissions.
- B. To reject submissions that fail to prove the Offeror's responsibility.
- C. To reject submissions that contain conditions and/or contingencies that in the Department's sole judgment, make the submission indefinite, incomplete, otherwise non-responsive, or otherwise unacceptable for award.
- D. To waive minor irregularities in any submission provided such waiver does not result in an unfair advantage to any Offeror.
- E. To take any other action within the applicable Procurement Regulations or law.
- F. To reject the submission of any Offeror that has submitted a false or misleading statement, affidavit or certification in connection with such submission or this Request for Proposals.

F.11 Limitation of Authority

Only a person with prior written authority from the CCO shall have the express, implied, or apparent authority to alter, amend, modify, or waive any clauses or conditions of the contract. Furthermore, any alteration, amendment, modification, or waiver of any clause or condition of this RFP is not effective or binding unless made in writing and signed by the CCO or its authorized representative.

F.12 Non-Responsive Pricing

In general, the Department will consider a proposal non-responsive if Offeror's price is greater than 150% of the median price submitted by other Offerors. The Department reserves the right to deem a proposal non-responsive if Offeror's price is greater than 150% of the independent government estimate.

SECTION G INSURANCE REQUIREMENTS

G.1 Required Insurance

The contractor will be required to maintain the following types of insurance throughout the life of the contract.

G.1.1 Commercial general public liability insurance (“Liability Insurance”) against liability for bodily injury and death and property damage, such Liability Insurance to be in an amount not less than Five Million Dollars (\$5,000,000) for liability for bodily injury, death and property damage arising from any one occurrence and Five Million Dollars (\$5,000,000) from the aggregate of all occurrences within each policy year. The policy should include completed operations coverage. The Design-Builder will be required to maintain this coverage in force for a period of at least two years after substantial completion.

G.1.2 Workers’ compensation and Employers Liability coverage providing statutory benefits for all persons employed by the contractor, or its contractors and subcontractors at or in connection with the Work.

G.1.3 Automobile Liability, including Hired and Non-Owned Auto Liability in the amount of at least One Million Dollars (\$1,000,000) for each occurrence for bodily injury and property damage.

G.1.4 Excess umbrella liability coverage (on at least a follow form basis) and when combined with the general liability policy has an aggregate limit of at least Ten Million Dollars (\$10,000,000).

G.1.5 The Department intends to purchase a builder’s risk policy that will cover the work being installed by the Design-Builder as well as the value of the base building. This policy will be in lieu of builder’s risk insurance that would typically be carried by the Design-Builder.

G.2 Additional Insureds

Each insurance policy shall be issued in the name of the contractor and shall name as additional insured parties the Department and the District of Columbia, and shall not be cancelable or reduced without thirty (30) days prior written notice to the Department.

G.3 Waiver of Subrogation

All such insurance shall contain a waiver of subrogation against the Department and the District of Columbia, and their respective agents.

G.4 Strength of Insurer

All insurance shall be placed with insurers that are reasonably acceptable to the Department and with an A.M. Best's rating of not less than A- (Excellent) and a surplus size of not less than XV. All such insurers shall be licensed/approved to do business in the District of Columbia.

SECTION J BONDS

J.1 Bid Bond

Offerors are required to submit with their proposal a bid bond in the amount of \$50,000. All bonding companies must be included on the Department of Treasury's Listing of Approved Sureties. Alternatively, Offerors may submit a cashier's check or irrevocable letter of credit in lieu of a bid bond. However, in the event an Offeror who is awarded a contract fails to post a payment and performance bond for the full value of the contract, the Offeror shall thereby forfeit the full amount of the cashier's check or letter of credit, and the Department shall collect such funds as liquidated damages. If the Offeror chooses to submit a cashier's check or letter of credit in lieu of a bid bond, the Offeror must complete the form included as **Attachment F** and return, notarized, with the Offeror's bid. Letters of credit must be: (i) unconditional and standby; (ii) irrevocable; (iii) issued by an FDIC insured institution that is reasonably acceptable to DGS; and (iv) able to be drawn on in the Washington, DC metropolitan area. The letter of credit shall provide that it may be drawn upon if the holder of the letter of credit submits a signed statement by DGS's contracting officer stating that the Offeror has failed to enter into a contract consistent with the terms of this procurement and the Offeror's bid submitted thereunder.

J.2 Trade Subcontractor Bonds

The Form of Contract will require that all trade subcontractors provide a payment and performance bond having a penal value equal to 100% of the cost of the trade subcontract. All such bonds shall be written on a dual-obligee basis.

J.3 Contractor's Payment and Performance Bond

In addition to the trade subcontractor bonds required by Section J.2, the Design-Builder will be required to post a payment and performance bond having a penal value equal to the GMP at the time the GMP Amendment is executed.

**Educational Specifications for
Brookland Middle School
540 capacity**

October 2012

Educational Specifications for Brookland Middle School

Introduction

This document articulates the requirements for a 'new' middle school on the prior Brookland Elementary School site. It describes the planned educational programs and services and the opportunities and challenges associated with the design and construction.

Scope

In 2008, DCPS converted elementary schools in the Ward 5 neighborhoods to PS-8 Educational Centers and closed the existing middle school. After four years, the communities asked the Chancellor to evaluate and reconsider the decision, asking that DCPS offer one or more middle school options. After a full public engagement process, the Chancellor announced in March 2012 a plan to open two middle schools and retain only one PS-8 school.

Brookland Elementary School was consolidated with Bunker Hill ES in 2008. Since that time the Brookland building has been vacant. This 1974 open space school is 98,000 SF and sits on 2 acres. A city recreation facility is located adjacent and has a soccer field, tennis courts, and swimming pool.

This project may entail reconstruction of a new 540 capacity middle school.

Program

The proposed educational program will be for a standard DCPS middle school program with an integrated arts and language education focus. The intent of this focus is to weave throughout the curriculum the different learning styles that the arts employ – visual/spatial, kinesthetic, and musical. This may mean that the school will have a greater emphasis in electives in art, music, drama, and dance. This may mean that the school building will offer an environment that is stimulating visually, tactually, or musically as it applies to all subjects.

The educational specification identifies three spaces specifically for arts education – visual, musical and a more generic performing arts (TBD). But since the middle school program has only limited opportunities for elective courses, it is expected that the learning concepts be integrated throughout the school – whether through maps and puzzles, mazes, musical patterns, etc.

Brookland MS Proposed Academic Map

Subject	Grade 6	Grade 7	Grade 8
English	English 6	English 7	English 8
Math	Math 6	Math 7	Math 8/Algebra I
Science	Earth Science	Life Science	Physical Science
Social Studies	Social Studies 6	Social Studies 7	Social Studies 8
World Languages	Language & Culture	Language Level 1 A	Language Level 1 B
Music	Music 6 Choral Music Beginning Band/Orchestra	Music 7 Choral Music II Intermediate Band/Orch.	Music 8 Choral Music III Advanced Band/Orchestra
Art	Art 6	Art 7	Art 8
Health/PE	Health/PE 6	Health/PE 7	Health/PE 8

Overview of Planning Concepts

Core Instructional Spaces

The basic organizational cluster for this school should consist of general purpose classrooms, science and technology Labs, and a teacher work center. Each cluster would also contain a resource classroom used by support educators. Student restrooms should be located within the cluster commons.

- Each house will have Math, Science, Language Arts, Social Studies, Resource Room, Teacher Work Center, as well as lockers, bathrooms, water fountains, and display cases.
- The core area will have Labs for the visual and performing arts
- The activity areas will include a media center, dining, and a physical education space

Special Education

Special education facilities will be integrated throughout the school to support the concepts of inclusion and the specialized requirements for the students. Special attention will be given to accessibility of all facilities and an integrated learning program.

Instructional Methods

Instructional methods vary with grade level, but maintain continuity. Predominant elements include:

- Integrated learning, where content areas cross disciplines
- Flexible groupings
- Mentoring of older to younger students
- Extended day learning opportunities
- Parent involvement and volunteer activities

“Welcome Area”/Administration/Student Services

Immediately upon entry, visitors will be greeted in the “welcome area.” The administrative offices and guidance services will be located in this centralized area.

Media Center

The media center serves a dual role – its traditional role as a gathering place for research and learning and a new role as a technological information base. In this new role, the media center may house a transparent voice/video/data network. This network enables the transmission of media services to the desktops of teachers and students without physically entering the media center. This area is changing from a "depository of books" to a "high technology information distribution center." It is not projected that the library functions will discontinue, rather digital technology will enhance voice, video, and data communications within the school, among district facilities, and with distant learning resources.

Visual and Performing Arts

This school is expected to offer an Integrate Arts Curriculum. Evidence of the vitality of the arts program should be integrated throughout the corridors, entryway, and exterior.

The music program includes instrumental and voice. Teaching spaces for this curriculum must be planned with particular attention to room volume and acoustics. Several storage options must be included to support the wide variety and large volume of instruments and music required to support these programs. The visual arts program will include an art room with associated kiln and outdoor patio. This space will contain sinks, furniture, and equipment to support both 2D and 3D instruction.

Physical Education

To support the middle school physical education program, a variety of indoor and outdoor areas are required. Indoor areas include a gymnasium, locker rooms, health classroom, and storage areas. All middle school students may be involved in physical education, which requires an adequate number of teaching stations.

Outdoor spaces will be shared with the city recreation facility. Those spaces include a multi-purpose soccer field and tennis courts. In return, the community will have access to the middle school's gymnasium during evenings and weekends.

Cafeteria

This area is planned to have multiple functions, which include student dining, ~~performances~~, assemblies, and community meetings. It is proposed, through creative design, that this area effectively house multiple functions.

Students need both inside and outside commons areas that offer places for socialization and 'play' near the cafeteria. Outside areas should include seating, shade, and a hard surface play area (basketball court) – all within easy observation of the school and staff. Inside areas may include recreational space, reading and homework areas, audio-video area, and different seating arrangements.

Special Features

Corridors and Commons Spaces

The front entry lobby should be welcoming and inviting for students, staff, and visitors. Display systems should be provided for 2-dimensional and 3-dimensional student work and awards. Finishes should be durable and easy to maintain. The scale of all spaces should be child-friendly. Colors, artificial lighting, and natural daylighting should be managed artfully to create an environment that communicates that school is a very special place.

Furniture & Equipment

Classrooms vary in shape and size; therefore, the furniture should be flexible to accommodate a variety of classroom formats for both individual and group activities. Teachers and students should have storage space for personal belongings, papers, books, supplies, and teaching materials.

To the extent possible, movable furnishings will be used, rather than fixed casework, to provide flexibility for future reconfiguration.

Technology

The facility will contain the latest in technology and be wired for voice, data, and video throughout the building. The program design is intended to bring information to the desk of the student, and computer technology will be distributed in every classroom. It is intended that access to technology will be seamless and pervasive throughout the building.

Every classroom will be wired for teacher audio enhancement. Research into this cutting-edge technology suggests that student learning can improve in classrooms where the teacher's voice is amplified and the classroom acoustics are designed to support voice clarity.

Handicapped Accessibility

The entire facility will be accessible for students, staff, and visitors. This will be accomplished through judicious use of ramping and elevators with sufficient internal clearances for circulation, convenient bus/van loading and unloading, and nearby handicapped parking spaces. All elements of the Americans with Disabilities Act must be complied with, including wayfinding and signage, appropriate use of textures, and universal accessibility of all indoor and outdoor school facilities.

Site

The site circulation will be organized for safety and efficiency. This will be accomplished through careful separation of vehicular and pedestrian traffic. Sufficient stacking space will be provided to prevent congestion of busy streets

Educational Specifications for Brookland Middle School

Environmental Performance Criteria

Lighting Quality: Improving natural and artificial lighting in classrooms

	DESIGN PARAMETERS	PARAMETER NOTES
1) Controlled Natural Lighting (Glazing)	10 - 12% of floor S.F.	LEED & Green Globe
2) Artificial Light	35-50 Foot-candles	IES

Environmental / Air Quality: Addressing temperature control, ventilation, air filtration, carbon dioxide levels, and HVAC background noise to ensure comfortable rooms.

	DESIGN PARAMETERS	PARAMETER NOTES
1) Winter Temperature	68.5 to 75.5 degrees	EPA 2000 & ASHRAE 55-04
Summer Temperature	74 to 80 degrees	
2) Humidity	30 % to 60% relative humidity	EPA 2000 & ASHRAE 55-04
3) Air Changes	6-10 per hour	ASHRAE
4) Outdoor Air Ventilation	10CFM per person	Plus 0.12 per SF of area
5) Air Filtration	MERV 13	LEED
	MERV 6 to 8	ASHRAE 52.2-2007 & 62.1-2007
6) Carbon Dioxide Levels	Below 700 PPM above outdoor air	ASHRAE 62.1-2007
7) HVAC Background Noise Level	RC(N) Mark II level of 37	ASHRAE Handbook Chapter 47

Acoustics: Limiting reverberation and background noise and improving sound isolation.

	DESIGN PARAMETERS	PARAMETER NOTES
1) Reverberation	.6 per second	(ANSI S12.60-2002)
2) Background Noise	45 dBA	(LEED)
3) Sound Isolation (Varies)	STC 45 between Classrooms	

Educational Specifications for Brookland Middle School

Technology: Providing data connections for online learning resources, AV equipment, closed-circuit televisions, and a sound system with emergency capabilities.

DESIGN PARAMETERS		PARAMETER NOTES
1) Data / Computer Drops		Two for teacher (data and phone), five student computers, printer, two wireless access points for mobile carts
2) Audio / Video Equipment		
	Ceiling mounted LCD projector linked to Teacher's PC (data drop)	
	Video Format Screen	
	Digital DVD/VCR/Tuner	
	Sound Reinforcement	Amplifier, microphone, speakers
3) Clock		Synchronized with Bell system (data drop)
4) Sound System & Emergency Call-box		
	Ceiling or Wall Speaker	Class change bells, emergency announcements
5) CCTV Camera		
	Security, WebX conferencing, Distance Learning	

Furniture: Providing adaptable and flexible furniture systems, mobile media systems, and mobile media carts.

Safety & Security

DCPS wants to maintain an inviting and de-institutionalized environment, while simultaneously providing a safe environment for students, staff, and community who use the facility and adjacent support services. The organization of a building will have a major impact on student behavior and safety concerns. Building security can be addressed in an active or a passive manner: active security is based on security systems; passive security is based on program design, building configuration, and community participation. Schools should be based on passive concepts with applied active concepts where necessary.

1. Building Layout

- Avoid blind spots, corners, and cubby holes
- Locate administrative and teacher preparation with good visual contact of major circulation areas (i.e., corridors, cafeteria, bus drop-off, parking)
- Develop spatial relationships that naturally transition from one location to another
- Locate toilets in close proximity to classrooms
- Design toilets to balance the need for privacy with the ability to supervise
- Locate areas likely to have significant community (after school) use close to parking and where these areas can be closed off from the rest of the building

2. Types of Building Materials

- Use durable wall surfaces that are easy to clean so graffiti can be removed
- Incorporate pitched roofs which inhibit roof entry and are aesthetically pleasing
- Operational part of windows on the ground floor should be in the upper portion to prevent access.
- Install non-slip floors and walk-off mats at point of entry

3. Uses of Technology

- Phones in every instructional and support area
- Building-wide all-call designed to be heard throughout the school and on the play fields when needed
- Motion or infra-red detectors, which can also conserve lighting costs
- Video cameras that are used for instructional purposes could also be used for security purposes during non-school hours
- Smoke and heat detectors located throughout the building

Energy and Environmental Design

There is a high interest in using the LEED certified school building as a teaching tool to teach environmental stewardship and awareness, while simultaneously providing an engaging environment for students, staff, and community who use the facility.

The organization, understanding and use of a building will have a major impact on student and staff conservation behavior.

The sustainable design and green features of the building can be addressed in an active or a passive manner: active interaction is based on digital displays, educational features and curriculum integrated learning about environmental issues; passive interaction is based on the program design, building configuration, green building features, and energy efficient building automation.

Passive Concepts

1. Building Layout

- Concentrate daylight and views to the outside to areas of frequent human interaction (e.g. classrooms, cafeterias, media center, art rooms, music rooms) with passive solar design
- Avoid excessive window areas in corridors, lobbies, hallways with no gathering opportunities (design for less than 45% of wall area)
- Avoid skylights and use roof monitors with vertical glazing instead

2. Types of Building Materials

- Use durable wall surfaces that are easy to clean
- Design for cleanability with easy and safe access
- Incorporate light colored pitched roofs to prevent heat gain and leakage
- Install high performance walk-off mats at all points of entry
- Design with noise minimization in mind

3. Uses of Technology

- For instructional and administrative purposes, the new school should have extensive technology systems. These same infrastructures and technology components can be used to enhance the perception of the buildings environmental components. Digital display of buildings energy and water use at entrance and in cafeteria
- Website with environmental features of the school
- Use only vacancy sensors for classrooms, cafeteria etc. to turn off (not on) lighting
- Daylight sensors and dimming in larger areas (cafeteria, multi-purpose etc.)

Active Concepts

1. Building Layout

- Provide signage to educate users about interior and exterior green building features throughout
- Provide signage for user behavior modification, e.g. DCPS policy for thermostat settings, reminders to turn equipment off when not in use
- Provide visitor map with floor plan for location and explanation of green building features

2. Types of Building Materials

- Provide view window to inside of wall constructions and mechanical room
- Provide materials with environmental message in selective areas, e.g. 100% recycled post consumer plastic toilet compartments, wheatboard cabinets, or furniture made of wood harvested from school site, and explain with signage.

3. Uses of Technology

- For instructional and administrative purposes, the new school should have extensive technology systems. These same infrastructures and technology components can be used to enhance the perception of the buildings environmental components.
- Green morning announcement with update on energy and water use
- Student conducted energy audits
- School based resource conservation program with frequent feedback to users

Educational Specifications for Brookland Middle School

Proposed Capacity

Room Use			
Grade	Number of	Capacity (Program)	Total
	Classrooms		
Academic Classrooms	18	20	360
Science	4	20	80
Visual Art	1	20	20
Performing Arts	2	20	40
Physical Education	2	20	40
Special Education	3	0	0
Total	31		540

In addition to the above capacity bearing classrooms, the school will have academic and special education resource rooms and independent learning labs.

Building Space Summary

Space Summary	Total
Core Academic	26,850
Media Center	3,250
Visual and Performing Arts	<u>4,7009,080</u>
Physical Education/Multi-purpose	9,870
Administration	4,680
Dining and Food Service	<u>6,3005,200</u>
Maintenance & Custodial Services	920
Electrical, Toilets, Custodial Closets, Corridors	24,466
Total Net	<u>84,31681,036</u>
Construction Factor[.082]	<u>6,727910</u>
Total Gross (minimum net:gross)	<u>87,76391,226</u>

Outdoor Space Requirements

Environmental Classroom
Parking for approximately 60 cars

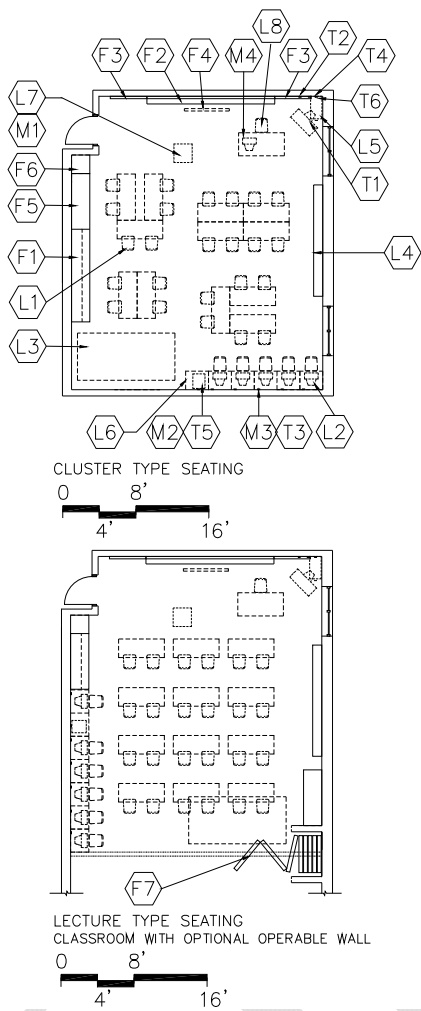
Academic Area Spaces

Spaces	Suggested			Comments
	Quantity	S.F.	Total	
Core Academic Classrooms	23	850	19,550	Includes Health, special education, and Alt rm.
Science Labs	4	1,100	4,400	
Science Prep/Storage	4	varies	400	
Special education resource rm.	3	400	1,200	
Academic Resource	3	300	900	
Teacher workrooms	2	200	400	
Total			26,850	

Educational Specifications for Brookland Middle School

GRADES 6-8 CLASSROOM

M-AC-1



CAPACITY:

- 24-30 students
- Teacher
- Guest speakers/volunteers

SIZE:

- 800- 850 SF

GOAL:

- To allow for space flexible enough to accommodate any of the core academic disciplines

PROGRAM ACTIVITIES:

- Large and small group instruction
- Hands-on activities
- Oral presentation
- Team teaching
- Computerized instruction

SPATIAL RELATIONSHIPS:

- Classroom are located by floor by grade
- Special education classrooms are integrated with their peers and should be outfitted similarly.
- The health classroom should be near the gymnasium

ENVIRONMENTAL CONSIDERATIONS:

- Comfortable rooms with pleasant décor that contribute to an atmosphere conducive to creativity
- Windows to provide natural light and egress
- Electrical outlets for equipment
- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
 - Reverberation Time: .4-.6 seconds
- Window treatment to darken room for AV presentations
- Proportion classroom for effective viewing and listening from all areas of the classroom

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

GRADES 6-8 CLASSROOM

M-AC-1

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Rubber tile	096519	F1 Casework:	
		Base/wall cabinets	123200
Base:		F2 Marker board (2 walls)	101100
Resilient base	096519	16 LF primary/8 LF secondary	
		F3 Tack board flanking marker boards	101100
Ceiling: (9' high minimum)		Plus two (2) parallel rows of continuous	
Suspended, acoustical	095113	tack strips on all available walls (4 LF or	
		longer) at 48" AFF	
Walls:		F4 Manual projection screen (60"x60")	115213 ³
Painted concrete masonry units or dry wall		F5 Casework:	
042000 / 099123		Tall storage cabinets	123200
		F6 Casework:	
<u>Loose Furnishings:</u>		Wardrobe (18X18)	123200
L1 24-30 flat top desks/chairs		<u>Fire Suppression:</u>	
L4 Adjustable height bookshelves (24 LF)		Fire suppression system	211000
L5 Four-drawer file cabinet			
L7 Audio-visual cart for teacher use		<u>Plumbing:</u>	
L8 Teacher workstation and chair		Sink in one classroom for Health classes	
Wastebasket			
		<u>HVAC:</u>	
<u>Miscellaneous:</u>		Supply/return air system	Div. 23
M1 Projection device on cart or electronic		Independent temperature	
white board		control	
M2 Printer		<u>Electrical:</u>	
M3 3-5 computers for student use		Duplex receptacles	262726
M4 Computer for teacher use		3 per primary teaching wall	
		2 per other walls	262726
<u>Communications</u>		TVSS protected quad receptacle	
T1 Video port, monitor	274133	adjacent to each data port and	
T2 Voice port and phone	275116	video port	262726
T3 5 data ports (minimum) for		Multilevel switching	262726
student use	271500	Flourescent lighting	265100
T4 Data port near teacher workstation	271500	Illumination level: See Table 7600-16	
T5 Data port for printer	271500	Clock	275313
T6 LCD ceiling mounted port	275116	Central sound system	275116
2 wireless ports			
Audio Enhancement Equipment		<u>Electronic Safety and Security:</u>	
		Life safety devices per code	283111

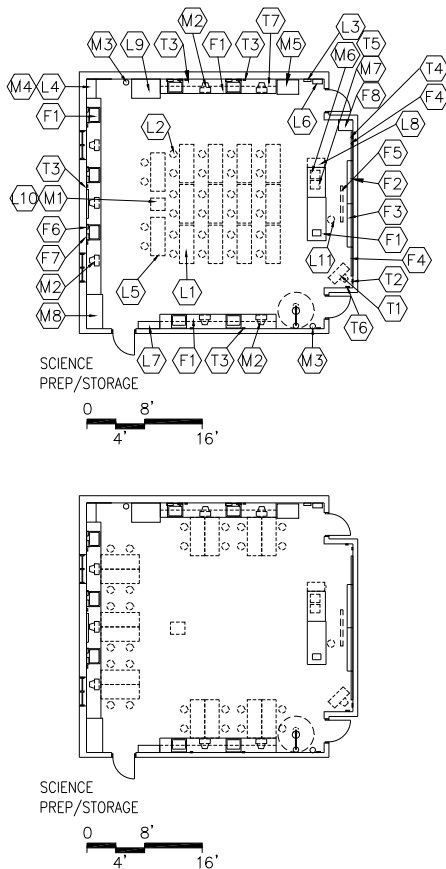
NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.
3. Delete where a digital white board is installed.

Educational Specifications for Brookland Middle School

SCIENCE CLASSROOM

M-AC-2



CAPACITY:

- 24 students
- Teachers
- Staff

SIZE:

- 1000-1100 SF

SPATIAL RELATIONSHIPS:

- Accessible to students from Academic Core Area
- Near access to outdoors
- Adjacent and access to Science Prep/Storage
- Near Media Center for research
- Near elevator if split between floors

GOALS:

- Flexible space and layout to support delivery of entire science curriculum in any lab
- To help students become reasonable caretakers of their bodies and environment
- To help students become effective team members
- To help students become critical thinkers, problem solvers, and lifelong learners
- To help students become aware of the physical and biological world

PROGRAM ACTIVITIES:

- Large and small group instruction
- Hands-on activities
- Team teaching
- Data collection and analysis
- Oral presentations
- Computer simulations

ENVIRONMENTAL CONSIDERATIONS:

- Consider future technology needs; build-in flexibility to retain options
- Uniform lighting
- Rooms designed for ease of movement. Students need to be able to move around the labs with chemicals, etc., in a safe way. Rooms will be used for small group work as well as large group instruction
- Lab table tops, floors, etc., need to be resistant to acids, heat, spills, etc.
- OSHA requirements maintained
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
 - Reverberation Time: .4-.6 seconds
- Electrical outlets for equipment
- Windows to provide natural light and egress
- Window treatment to darken room for AV presentations
- Adequate ventilation
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Auditory privacy

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

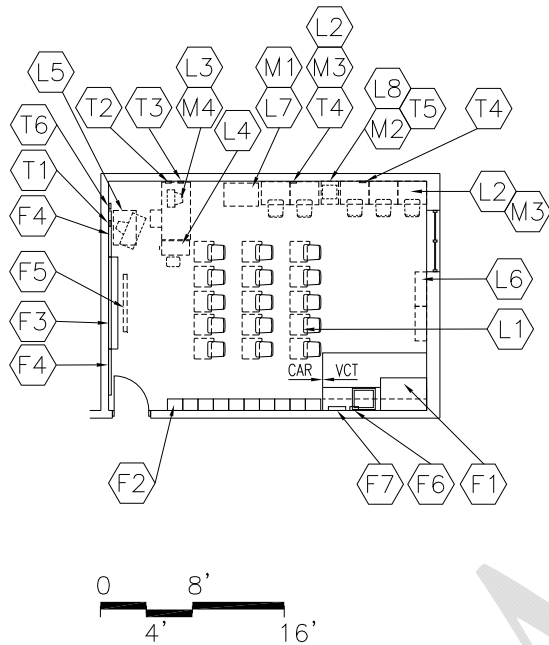
SCIENCE CLASSROOM		M-AC-2	
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Quartz tile	096518	F1 Science Casework:	123200
Base:		Base cabinets and shelving	
Resilient base	096519	Tall cabinets for class storage	
Ceiling: (9' high minimum)		Teacher demonstration table	
Suspended, acoustical	095113	F2 Marker board (8 LF)	101100
Walls:		F3 Marker board with grid (8 LF)	101100
Painted concrete masonry units or dry wall	042000 / 099123	F4 Tack board (8 LF)	101100
<u>Loose Furnishings:</u>		F5 Manual projection screen	115213
L1 12 two-person adjustable height tables		F6 Soap dispenser	102800
L2 24 adjustable height stools (non-swivel)		F7 Towel dispenser	102800
L3 Fire blanket		F8 Casework: Wardrobe	123200
L4 Microscopes (in cabinets)		<u>Fire Suppression:</u>	
L6 Goggle storage and sanitizer cabinet		Fire suppression system	211000
L7 Adjustable height bookshelves (24 LF)		<u>Plumbing:</u>	
L8 Four-drawer file cabinet		Plumbing connections (sinks)	15410
L9 Portable fume hood (one per school)		All utilities for teacher demonstration table	
L10 Multimedia cart for teacher use		Safety chemical showers/eye wash	
L11 Adjustable height stool for teacher		Stations -Floor drains	15410
Wastebasket		<u>HVAC:</u>	
<u>Miscellaneous:</u>		Supply/return air system	Div. 23
M1 Projection device on cart or electronic white board		Independent temperature control	
M2 7 portable computers for student use		<u>Electrical:</u>	
M3 Fire extinguishers		Duplex receptacles	262726
M4 Video camera hooked to microscopes		3 per primary teaching wall	
M5 Digital science instrumentation		2 per other walls	
M6 Printers		1 at each lab station	
M8 Environmental chamber (one per school)		TVSS protected quad receptacle adjacent to each data port and video port	262726
M9 Computer for teacher use		Multilevel switching	262726
<u>Communications</u>		Fluorescent lighting	265100
T1 Video port	274133	Illumination level: See Table 7600-16	
T2 Voice port and phone	271500	Clock	275313
T3 Data port at each lab station for student use	271500	Central sound system	275116
T4 Data port near teacher workstation	271500	Quad outlet at teacher demo.	262726
T5 Data port for printers	271500	<u>Electronic Safety and Security:</u>	
T6 LCD ceiling mounted port	271500	Life safety devices per code	283111
Audio Enhancement			

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

RESOURCE CLASSROOM

E-ACA-4



CAPACITY:

- Up to 15 students
- 2 or more staff members

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

GOAL:

- To provide a safe and comfortable learning environment for students with unique learning challenges

PROGRAM ACTIVITIES:

- Small group work
- Independent instruction and work

SPATIAL RELATIONSHIPS:

- Located within Academic Core areas
- Ingress/egress to the building which allows for special transportation pick-ups

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Windows to provide natural light and egress
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
Reverberation Time: .4-.6 seconds
- Electrical outlets for equipment
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Window treatment to darken room for AV presentation

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

RESOURCE CLASSROOM

E-ACA-4

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Rubber tile	096519	F1 Casework:	123200
		Base/wall cabinets and shelving	
Base:		Paper storage cabinets	
Resilient base	096519	F2 Carpentry:	064123
		Student cubbies (15) (optional)	
Ceiling (9' high minimum):		F3 Marker board (8 LF)	101100
Suspended, acoustical	095113	F4 Tack board (8 LF minimum)	101100
		F5 Manual projection screen	115213
Walls:		F6 Soap dispenser	102800
Painted concrete masonry units or dry wall	042000/099123	F7 Towel dispenser	102800
		F8 Casework:	123200
		Wardrobe	
<u>Loose Furnishings:</u>		<u>Fire Suppression:</u>	Div. 21
L1 15-18 student desks or work table		Fire suppression system	
L2 3-5 computer workstations and chairs			
L3 Teacher workstation and chair		<u>Plumbing:</u> Div. 22	
L4 Four-drawer file cabinet		Plumbing connections (optional)	
L5 Mobile shelving		Sink with drinking fountain	
L6 Adjustable height bookshelves (20 LF)			
L7 Audio visual cart for teacher use		<u>HVAC:</u> Div. 23	
Wastebasket		Supply/return air system	
		Independent temperature	
<u>Communications²:</u>	Div. 27	Control	
T1 Video port, monitor, VCR/DVD,		<u>Electrical:</u> Div. 26	
and brackets		Duplex receptacles	
T2 Voice port and phone		3 per primary teaching wall	
T3 Data port		2 per other walls	
near teacher workstation		TVSS protected quad receptacle	
T4 3 data ports for student use		adjacent to each data and	
		video port	
<u>Miscellaneous:</u>		Fluorescent lighting	
M1 Projection device on cart	Div. 272	Illumination level: See Table 7600-16	
M3 3 computers for student use		Multilevel switching	
M4 Computer for teacher use		Clock	
		Central sound system	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

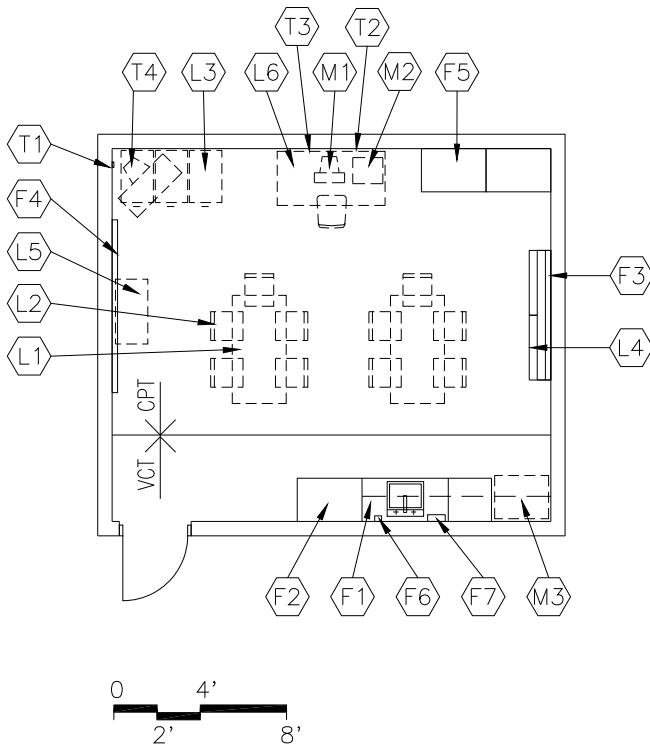
NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to Educational Specifications – Technology, Section 1240.

Educational Specifications for Brookland Middle School

TEACHERS' WORK CENTER

M-AD-12



Loose Furnishings:

- L1 3-4 tables (36" x 72")
- L2 15-20 chairs
- L3 3, four-drawer file cabinet
- L4 Adjustable height bookshelves (12 LF)
- L5 Literature display
- L6 2 Computer workstations
- Wastebasket

Miscellaneous:

- M1 2 Computers

Communications:

- T1 Cable/MATV port
- T2 Voice port and phone
- T3 1 data port
- T4 Video port, monitor, VCR/DVD, and bracket Printer
- Interactive white board or equivalent digital display capacity.

Div. 27

GOALS:

- To provide a place for instructional coaches to work with staff
- To provide a place for collaboration

PROGRAM ACTIVITIES:

- Small group meetings
- Work area
- Storage for STEM Materials

SPATIAL RELATIONSHIP:

- Near Welcome Center
- Near Public Restrooms
- Near Entrance Lobby

ENVIRONMENTAL CONSIDERATIONS:

- Electrical outlets for equipment
- Lighting appropriate to task
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Windows to provide natural light, desirable

Features¹:

Fixed Equipment:

F2 Casework:	
Wardrobe cabinet	123200
F3 Marker board (8 LF)	101100
F4 Tack board (8 LF)	101100
F5 Casework:	
Tall cabinets	123200

Sink optional pending location.

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

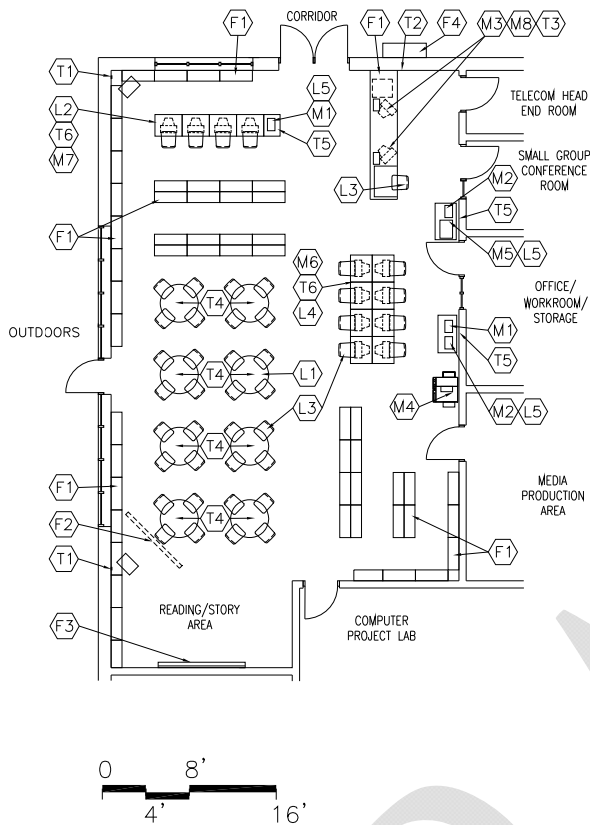
Educational Specifications for Brookland Middle School

Media Center Space Requirements

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Reading/Circulation/Meeting Area	1	1,400	1,400	
Office/Workroom	1	450	450	
Storage	1	150	150	
Media Production	1	400	400	
Computer Lab	1	850	850	
Total			3,250	

READING / LEARNING / CIRCULATION ROOM

M-MC-1



CAPACITY:

- Class of Students
- Up to 10 students for open reading
- Up to 12 individuals for research
- Media specialist
- Guest speakers, volunteers

GOAL:

- To provide students, staff, and community with access to information and quiet study areas

PROGRAM ACTIVITIES:

- Reading
- Circulation of materials and resources including online catalogs
- Large group and small group instruction
- Provide meeting areas for community staff and parents
- Research

SPATIAL RELATIONSHIPS:

- Circulation area located close to entrance/exit
- Reference/professional/periodical areas located close to entrance and circulation
- Two catalog station areas centrally located

ENVIRONMENTAL CONSIDERATIONS:

- Recessed floor, wall electrical outlets in floor at tables
- Flush covers for floor outlets
- Adequate ventilation
- Lighting appropriate to task with switches to dim separate zones of media center
- Ceiling mounts and appropriate wiring for LCD projector
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Higher than normal ceiling height
- Electrical outlets at entrance for future security system
- Electrical outlets at all column locations
- Windows to provide natural light
- Security of school when center is in use after school hours
- Ceiling height in proportion to room dimensions
- Open flow for traffic in reference/professional/periodical areas
- Window treatment to darken room for AV presentation
- Auditory privacy

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

READING / LEARNING / CIRCULATION ROOM M-MC-1

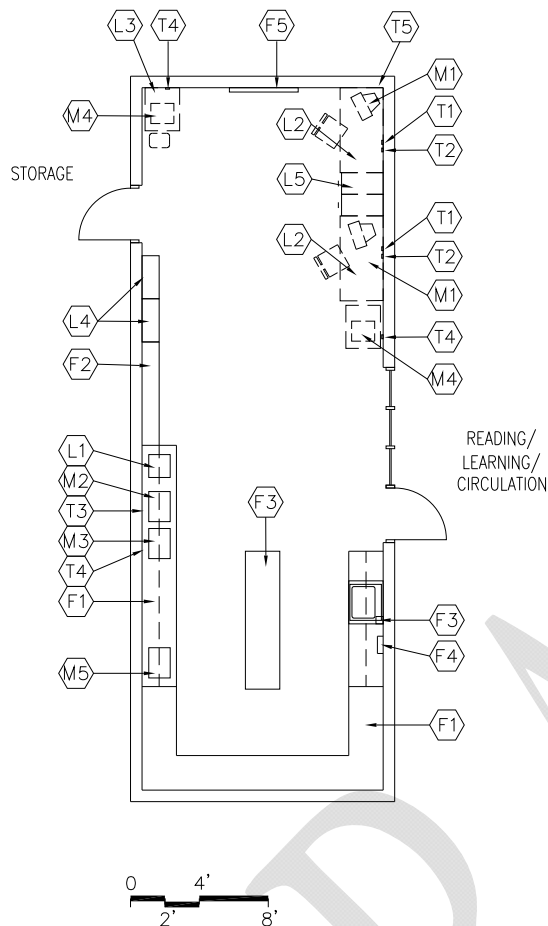
		Spec.			Spec.
<u>Finishes¹:</u>		<u>Ref.#</u>	<u>Features¹:</u>		<u>Ref.#</u>
Flooring:			<u>Fixed Equipment:</u>		
Carpet		096816	F1 Library casework		123550
			F2 Motorized projection screen		115213
			F3 Display case		123559
Base:			<u>Fire Suppression:</u>		Div. 21
Resilient base		096519	Fire suppression system		
Ceiling:			<u>HVAC:</u>		Div. 23
Suspended, acoustical		095113	Supply/return air system		
Walls:			Independent temperature control		
Painted concrete masonry units		042000 / 099123	<u>Electrical:</u>		Div. 26
<u>Loose Furnishings:</u>			Duplex receptacles		
L1	6 six-person tables or 8 four person		TVSS protected quad receptacle adjacent to each data and video port		
L2	2 automated card catalog stations		Multilevel switching		
L3	50 chairs		Fluorescent lighting		
L4	12 seated reference stations		Illumination level: See Table 7600-16		
L5	4 lounge chairs		Security System		
L6	2 end tables		Central sound system		
L7	2 printer tables		<u>Electronic Safety and Security:</u>		Div. 28
	Wastebasket		Life safety devices per code		
<u>Communications²:</u>		Div. 27	<u>Miscellaneous:</u>		
T1	2 video port		M1	2 printers	
T2	Voice port and phone		M2	Scanner	
T3	2 data ports at circulation desk		M3	Copier	
T5	2 data ports for printers		M5	12 computers for student use	
T6	2 data ports for automated data card catalog				
T7	12 data ports for reference				
T8	2 bar code readers				
T9	2 wireless access points				
T10	Data port for scanner				

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

COMBINED OFFICE / WORKROOM

M-MC-6



CAPACITY:

- Media specialist
- Technology aide

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Reading/Learning/Circulation Room (M-MC-1)
- Storage (M-MC-5)

GOAL:

- To provide space for the management and organization of media resources and processing of incoming materials

PROGRAM ACTIVITIES:

- Receive, process, and duplicate library materials
- Scanning
- Repair damaged or worn materials
- Digitizing
- Media distribution

SPATIAL RELATIONSHIPS:

- Adjacent and access to Reading/Learning/Circulation Room
- Adjacent and access to Storage

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Locate behind circulation desk
- Visual access to Reading/Learning/Circulation Room

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

COMBINED OFFICE / WORKROOM

M-MC-6

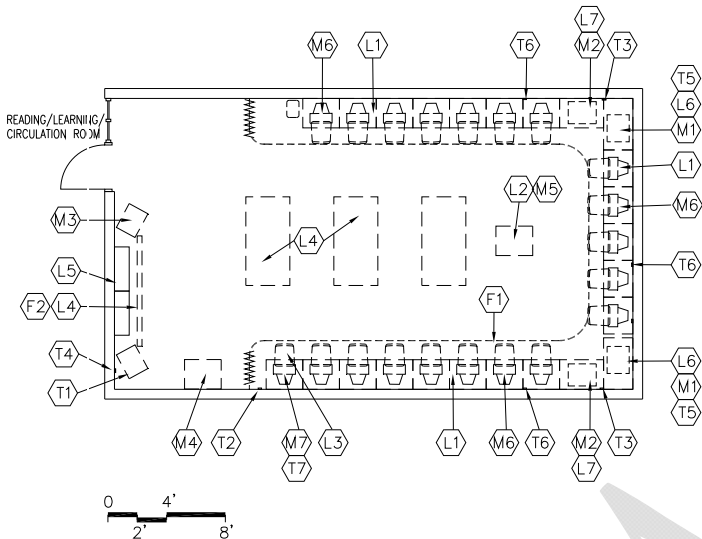
		Spec.			Spec.
<u>Finishes¹:</u>		Ref.#	<u>Features¹:</u>		Ref.#
Flooring:			Fixed Equipment:		
Resilient tile flooring		096519	F1 Casework:		123200
			Base/wall cabinets		
			Tall storage		
Base:			F2 Storage shelving:		105613
Resilient base		096519	Video tapes		
Ceiling:			F3 Soap dispenser		102800
Suspended, acoustical		095113	F4 Towel dispenser		102800
			F5 Tack board (4 LF)		101100
Walls:					
Painted concrete masonry units			<u>Fire Suppression:</u>		Div. 21
		042000 / 099123	Fire suppression system		
<u>Loose Furnishings:</u>			<u>Plumbing:</u>		Div. 22
L1 Paper cutter			Plumbing connections		
L2 Computer workstation and ergonomic task chair			Sink		
L4 Adjustable height bookshelves			<u>HVAC:</u>		Div. 23
L5 2, four drawer file cabinets			Supply/return air system		
Wastebasket			Independent temperature control		
<u>Miscellaneous:</u>			<u>Electrical:</u>		Div. 26
M1 Computer			Duplex receptacles		
M3 Fax machine			Single-level switching		
M5 Video distribution equipment			TVSS protected quad receptacle adjacent to each data port		
			Fluorescent lighting		
			Illumination level: See Table 7600-16		
			Clock		
			Central sound system		
			<u>Communications²:</u>		Div. 27
			T1 Voice port and phone		
			T2 Data port		
			T4 Fax port		
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications — Technology, Section 1240.

MEDIA PRODUCTION AREA

M-MC-2



CAPACITY:

- 15 students
- 2 teachers
- Community (after hours)

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Reading/Learning/Circulation Room (M-MC-1)

GOAL:

- To provide a soundproof, properly lighted room for video productions, audio productions, publication purposes, and multimedia productions using computer accessories and peripherals such as scanners, digital cameras, etc.
- 20 computer workstations

PROGRAM ACTIVITIES:

- Video creation/production
- Voice over/dubbing
- Creative writing
- Closed circuit TV production
- Newspaper production
- Scanning
- Digitizing

SPATIAL RELATIONSHIP:

- Adjacent and access to Reading/Learning/Circulation Room

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting with an appropriate visual comfort level
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Special lighting for video production
- HVAC control separate from Media Center

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

MEDIA PRODUCTION AREA

M-MC-2

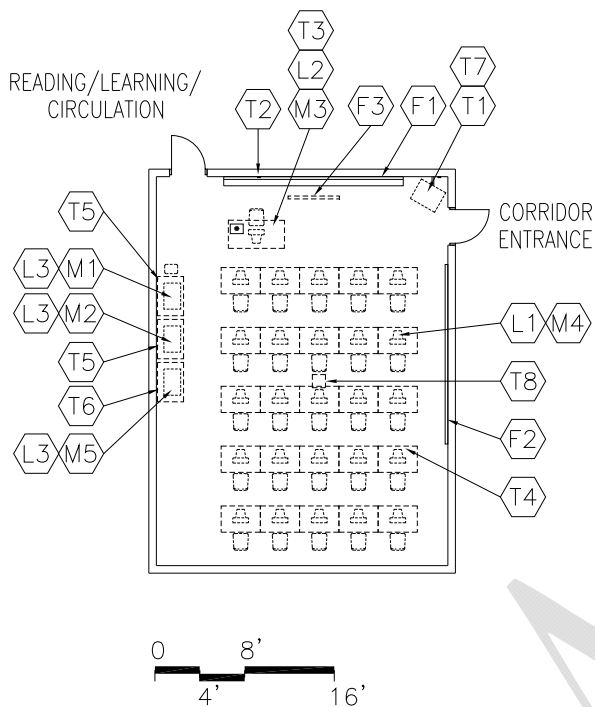
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Carpet	096816	F1 Wall curtains	116143
		F2 Manual projection screen	115213
Base:			
Resilient base	096519		
Ceiling:		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units		N/A	
	042000 / 099123	<u>HVAC:</u>	Div. 23
<u>Loose Furnishings:</u>		Supply/return air system	
L1 15 computer workstations and chairs		Independent temperature control	
L2 Multimedia cart for teacher use		Air conditioning	
L3 Teacher workstation and chair			
L4 Equipment tables		<u>Electrical:</u>	Div. 26
L5 Adjustable height bookshelves (12 LF)		Duplex receptacles	
L6 2 printer tables		Multilevel switching	
L7 2 scanner tables		TVSS protected quad receptacle adjacent to each data port	
Wastebasket		Fluorescent lighting	
		Illumination level: See Table 7600-16	
<u>Miscellaneous:</u>		Clock	
M1 2 printers		Central sound system	
M2 2 scanners			
M3 Video camera/monitor		<u>Communications²:</u>	Div. 27
M4 Editing equipment		T1 Video port, monitor, VCR/DVD, and brackets	
M5 Projection device on cart	Div. 27	T2 Voice port and phone	
M6 20 computers for student use		T3 2 data ports for scanners	
M7 Computer for teacher use		T4 Cable/MATV port (input/output)	
		T5 2 data ports for printers	
		T6 20 data ports (min.) for student use on three walls	
		T7 Data port for teacher use	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications — Technology, Section 1240.

COMPUTER RESOURCE AREA

M-MC-3



GOAL:

- To provide a shared computer resource area for the entire school

PROGRAM ACTIVITIES:

- Instruction
- Student work areas
- Interdisciplinary training area
- Research

SPATIAL RELATIONSHIPS:

- Adjacent to Academic Core Area
- Adjacent and access to Readers/Learning/Circulation Room
- Near the restrooms for after-hours use
- Access from corridor

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting with an appropriate visual comfort level
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Electrical outlets for equipment, placed 30" above floor and recessed floor outlets as appropriate
- Master switch to control power to workstations
- HVAC separate from Media Center
- Adequate ventilation
- Auditory privacy

CAPACITY:

- Up to 25 students
- 1 teacher

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Reading/Learning/Circulation Room (M-MC-1)

NOTES:

- Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

COMPUTER RESOURCE AREA M-MC-3

<u>Finishes¹:</u>		Spec.	<u>Features¹:</u>		Spec.
		<u>Ref.#</u>	<u>Fixed Equipment:</u>		<u>Ref.#</u>
Flooring:			F1 Marker board (12 LF)		101100
Carpet		096816	F2 Tack board (12 LF)		101100
			F3 Manual projection screen		115213
Base:					
Resilient base		096519			
Ceiling:			<u>Fire Suppression:</u>		Div. 21
Suspended, acoustical		095113	Fire suppression system		
Walls:			<u>Plumbing:</u>		
Painted concrete masonry units or dry wall			N/A		
042000 / 099123			<u>HVAC:</u>	Div. 23	
<u>Loose Furnishings:</u>			Supply/return air system		
L1 25 computer workstations and chairs			Independent temperature control		
L2 Teacher desk and chair					
L3 Printer/scanner tables			<u>Electrical:</u>	Div. 26	
Wastebasket			Duplex receptacles		
			TVSS protected quad receptacle adjacent to each data and video port		
<u>Miscellaneous:</u>			Multilevel switching		
M1 Color printer			Fluorescent lighting with parabolic lenses		
M2 Black and white printer			Illumination level: See Table 7600-16		
M3 Computer for teacher use			Clock		
M4 25 computers for student use			Central sound system		
M5 Scanner					
Audio enhancement equipment			<u>Communications²:</u>		Div. 27
			T1 Cable/MATV port		
			T2 Voice port and phone		
			T3 Data port near teacher workstation		
			T4 25 data ports (min.) for student use		
			T5 2 data ports for printer		
			T6 Data port for scanner		
			T7 Video port, monitor, VCR, and brackets		
			T8 Ceiling mounted projector		
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.

Educational Specifications for Brookland Middle School

Visual and Performing Arts Space Requirements

□

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Art Lab	1	1,300	1,300	
Kiln Room	1	100	100	
Art Storage	1	200	200	
Subtotal			1,600	
Instrumental Rm.	1	1,400	1,400	w/ storage
Performing Arts	1	1,400	1,400	choral/drama – near stage
Riser/chair storage	1	2300	2300	
Subtotal			3,100 3,000	

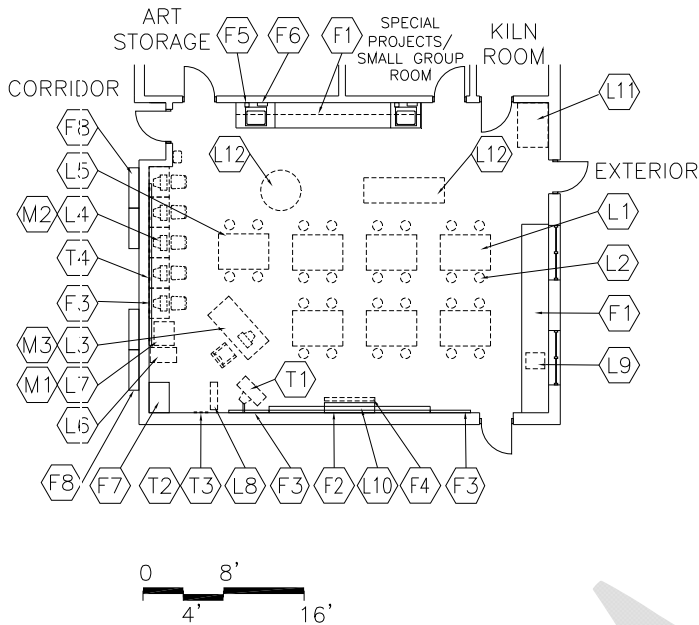
Music classrooms should be located near the stage to allow for the movement of equipment and to act as a 'backstage' area for performances.

<u>Spaces</u>	<u>Suggested</u>			<u>Comments</u>
	<u>Qty.</u>	<u>S.F.</u>	<u>Total</u>	
<u>Performance Hall</u>	<u>1</u>	<u>3,000</u>	<u>3,000</u>	
<u>Stage</u>	<u>1</u>	<u>800</u>	<u>800</u>	
<u>Control booth</u>	<u>1</u>	<u>80</u>	<u>80</u>	
<u>Workroom/Storage</u>	<u>1</u>	<u>400</u>	<u>400</u>	
<u>Chair Storage</u>	<u>1</u>	<u>200</u>	<u>200</u>	
<u>Total</u>			<u>4,480</u>	

Educational Specifications for Brookland Middle School

ART LAB

E-VA-1



CAPACITY:

- 20-24 students
- 1 teacher
- Student teacher
- Parent volunteers
- Student volunteers

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Kiln Room (E-VA-3)
- Art Storage (E-VA-2)

SPATIAL RELATIONSHIPS:

- Centrally located with convenient access to Core Academic classrooms
- Direct access to art patio – with overhang
- Adjacent and access to Kiln Room

GOALS:

- To provide an area for students to work on a variety of art projects and to have positive experiences, which include developing confidence, commitment, and a sense of accomplishment
- To explore the manipulation of a variety of materials
- To develop technical and expressive skills
- To become aware of and be able to articulate thoughts about art and its reflection of other societies, cultures, and times
- To provide clean, adequate space in which to store art supplies and student projects

PROGRAM ACTIVITIES:

- Drawing, painting, and print making
- Sculpture, model-making, collage, and assembly
- Ceramics-clay (age appropriate)
- Computer graphics and mixed media work
- Guest artist lectures
- Demonstrations
- Viewing prints/slides/movies/art videos
- Research, reading, and writing
- Individual and cooperative group work
- Storage of supplies, projects, and small equipment
- Mixed media work

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting/track and display lighting
- Windows to provide natural light and egress, preferably northern exposure
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Include outlets on the wall above counter spaces in raceway
- Electrical outlets for equipment
- Provide one ceiling hung, retractable electrical outlet
- Window treatment to darken room for AV presentation as required

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

ART LAB

E-VA-1

CHAPTER 4: ELEMENTARY SCHOOLS

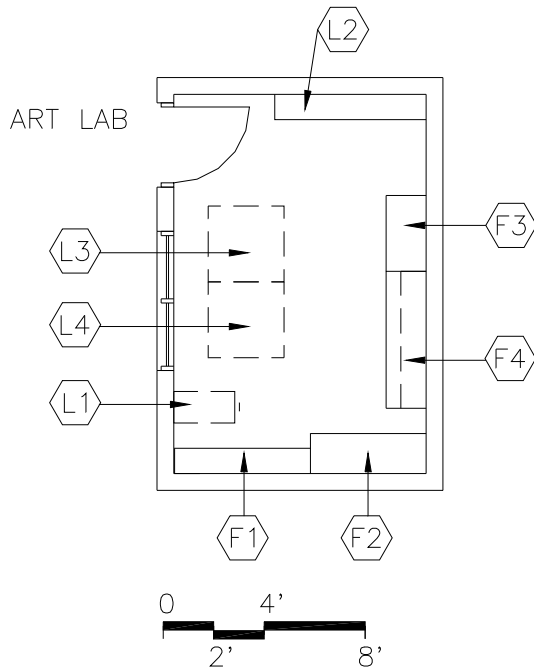
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Quartz tile	096618	F1 Casework:	
Base:		30" high base/wall cabinets near	
Resilient base	096519	sinks	123200
Ceiling (12' high minimum to underside of		Paper storage cabinets	
deck):		F2 Marker board	101100
Exposed structure, painted	099123	16 LF primary	
with acoustical treatment	098400	F5 Tack board flanking marker board	
Walls:		Plus two (2) parallel rows of	
Painted concrete masonry units or dry wall		continuous tack strips on all available	
One tackable wall		walls (4 LF or longer) at 30" and 48"	
	042000 / 099123	AFF	
<u>Loose Furnishings:</u>		F6 Manual projection screen (60"x60")	115213 ³
L1 12 2-person student work tables		F5 Soap dispenser (at each sink)	102800
L2 24-30 Student chairs		F6 Towel dispenser (at each sink)	102800
L3 Teacher workstation and chair		F7 Casework: Wardrobe	123200
L4 3 computer (laptops) tables and chairs		F8 Display cases	
L6 1, four-drawer file cabinet		<u>Fire Suppression:</u>	Div. 21
L7 Audio visual cart for teacher use		Fire suppression system	
L10 Adjustable height shelves (24 LF) for		<u>Plumbing:</u> Div. 22	
drying 3D objects		Sinks with solids interceptor	
L11 Drying rack (40-80 slats)		2 large, deep sinks	
Flat storage (10 drawers)		Plumbing connections	
Wastebasket		<u>HVAC:</u> Div. 23	
<u>Communications²:</u>	Div. 27	Supply/return air system	
T1 Video port, monitor, VCR/DVD,		Independent temperature control	
and bracket		Manually controlled general exhaust	
T2 Voice port and phone		<u>Electrical:</u> Div. 26	
T3 Data port near teacher workstation		Duplex receptacles	
T4 5 data ports for student use		3 per primary teaching wall	
Cable/MATV port		At least 2 per other walls	
Digital white board (optional)		TVSS protected quad receptacle	
<u>Miscellaneous:</u>		adjacent to each data port	
M1 Projection device on cart	Div. 27	Multilevel switching	
M2 3-5 computers for student use		Fluorescent lighting	
M3 Computer for teacher use		Illumination level: See Table 7600-16	
Audio enhancement equipment		Clock	
<u>Electronic Safety and Security:</u>	Div. 28	Central sound system	
Life safety devices per code		Display/track lighting	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications –Technology, Section 1240.

ART STORAGE

E-VA-2



GOAL:

- To provide lockable storage for art supplies, portable equipment, technology, peripherals, and materials

PROGRAM ACTIVITIES:

- Storage of equipment and supplies

SPATIAL RELATIONSHIPS:

- Direct access to Art Lab
- Visual access from Art Lab

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets for equipment

CAPACITY:

- 1 teacher

SIZE:

- 150 SF

ANCILLARY SPACES:

- Art Lab (E-VA-1)

NOTES:

Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

ART STORAGE

E-VA-2

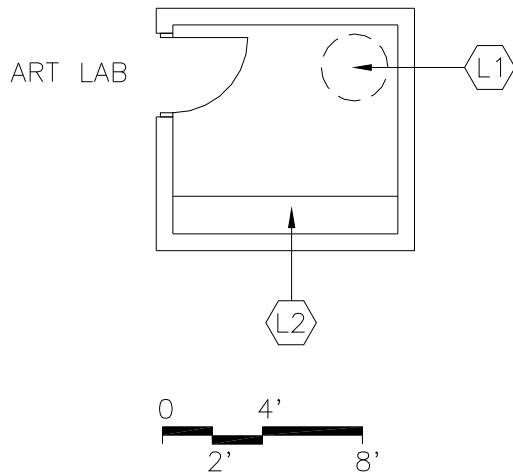
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Storage shelving:	
		18" deep, metal	105613
Base:		F2 Casework:	
Resilient base	096519	Tall cabinet	123200
Ceiling:		F3 Casework:	
Exposed ceiling, painted	099123	Paper storage cabinets	123200
		One cabinet for hazardous materials	
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted concrete masonry units		Fire suppression system	
	042000 / 099123		
<u>Loose Furnishings:</u>		<u>Plumbing:</u>	
L1 1, four-drawer file cabinet		N/A	
L2 Greenware shelving (if kiln is used)		<u>HVAC:</u>	Div. 23
		Supply/return air system	
		Independent temperature	
		Control	
		<u>Electrical:</u>	Div. 26
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: see Table 7600-16	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

KILN ROOM

E-VA-3



GOALS:

- To provide an area properly equipped for ceramics
- To provide a space to fire and store completed art work

PROGRAM ACTIVITIES:

- Store 3D sculptural work
- House kiln equipment

SPATIAL RELATIONSHIPS:

- Adjacent and access to Art Lab

ENVIRONMENTAL CONSIDERATIONS:

- Ventilation controlled by a thermostat
- Adequate ventilation with vents to the outside for kiln
- Electrical outlets for equipment
- Lighting appropriate to task
- Consider safety in plumbing room layout

CAPACITY:

- 1-2 persons

SIZE:

- 100 SF

ANCILLARY SPACES:

- Art Lab (E-VA-1)

NOTES:

Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

KILN ROOM

E-VA-3

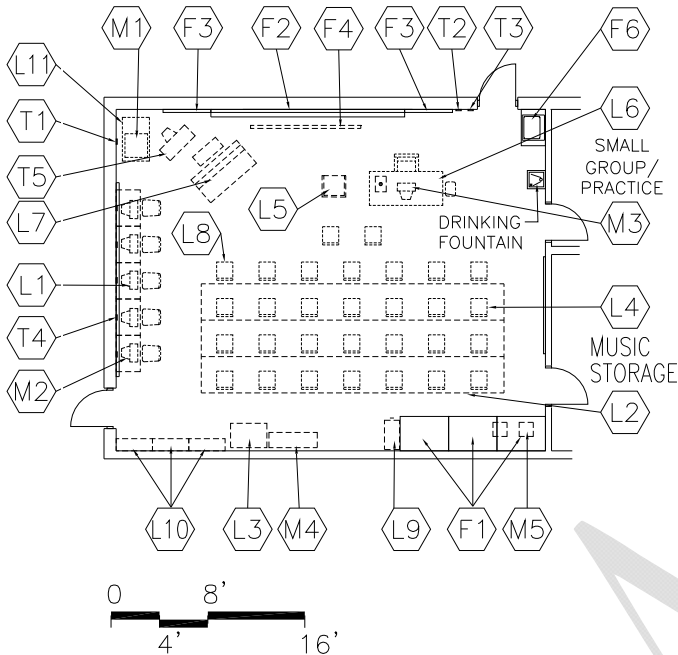
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	N/A	
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling:		<u>Plumbing:</u>	Div. 22
Exposed structure, painted	099123	Floor drain	
Walls:		<u>HVAC:</u>	Div. 23
Painted concrete masonry units	042000 / 099123	Temperature-controlled exhaust	
<u>Loose Furnishings:</u>		Ventilation for kiln	
L1 Kiln (28+ inch opening, 27 inches deep)		<u>Electrical:</u>	Div. 26
Furniture and ventilation		Duplex receptacles	
L2 Greenware shelving		Electrical connection for kiln	
Wastebasket		Single-level switching	
		Fluorescent lighting	
		Illumination level: see Table 7600-16	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

GENERAL MUSIC ROOM (Instrumental and performing arts)

E-MU-1



GOAL:

- To provide students with the opportunity to explore and develop skills in music through large group, ensemble, and solo experiences

PROGRAM ACTIVITIES:

- Listen, analyze, describe, and compose music (stereos, CD players, computers and printer, laser discs)
- Sing alone and with others (solos, duets, trios, ensembles, large groups)
- Guest speakers and performers (solo and ensembles)
- Group instruction (small and large)
- Choral, speech, theatrics (musicals, operas)
- View educational videos for music enrichment

SPATIAL RELATIONSHIPS:

- Adjacent and access to Music Storage

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting/Theatrical lighting
- Environmental sound control:
 - Wall minimum: STC 50
 - Ceiling minimum: CAC 35
- Sound insulation in walls (extended above ceiling to underside of deck)
- Acoustical wall treatments
- Electrical outlets for equipment
- Adequate ventilation
- Proportion classroom for effective viewing and listening from all areas of the classroom
- Auditory privacy
- Drinking fountain in classroom

CAPACITY:

- 20-~~24~~ 45 ~~music~~ students
- 1 teacher
- Parents/volunteers

SIZE:

- 1, ~~400~~ 200 SF

ANCILLARY SPACES:

- General Music Storage (E-MU-2)

NOTES:

- Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

GENERAL MUSIC ROOM E-MU-1

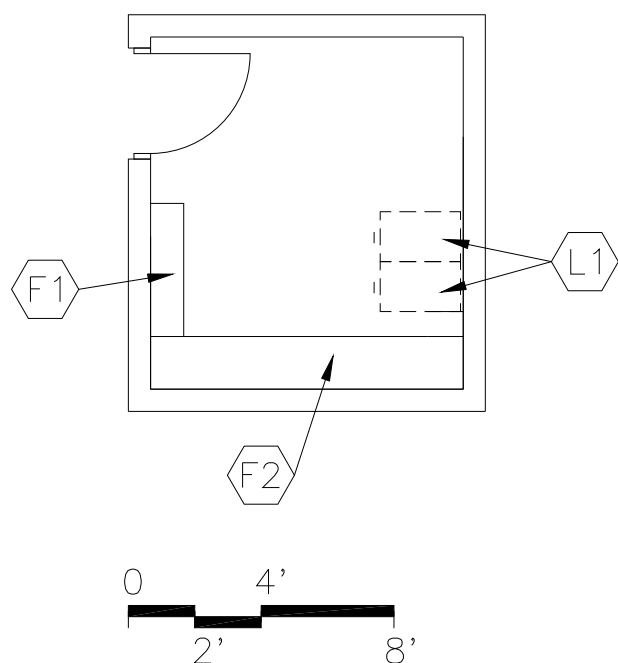
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Carpet	096816	F1 Casework:	
		Paper storage cabinets	123200
Base:		F2 Marker board (16 LF)	
Resilient base	096519	1/2 with music staff bars	101100
		F3 Tack board	101100
Ceiling(10' high minimum):		F4 Manual projection screen	115213
Suspended, acoustical	095113	F5 Casework:	
		Wardrobe	123200
Walls:		F6 Casework:	
Painted concrete masonry units		Sink cabinet	123200
042000 / 099123		<u>Fire Suppression:</u>	Div. 21
		Fire suppression system	
<u>Loose Furnishings:</u>		<u>Plumbing:</u> Div. 22	
L1 5 computer workstations and chairs		Plumbing connections	
L2 Portable choral risers with rails <u>(one set)</u>		Drinking fountain	
L3 Mobile A/V cabinet		Sink	
L4 24 music posture chairs		<u>HVAC:</u> Div. 23	
L5 Conductor podium, chair and stand		Supply/return air system	
L6 Teacher desk and chair		Independent temperature control	
L7 Upright piano		<u>Electrical:</u> Div. 26	
<u> -Instrument storage <u>(one room only)</u></u>		Duplex receptacles	
(see furniture standards)		3 per primary teaching wall	
L9 Four-drawer file cabinet		2 per other walls	
L10 Adjustable height bookshelves (24LF)		TVSS protected quad receptacle	
Wastebasket		adjacent to each data and video port	
<u>Communications²:</u>	Div. 27	Multilevel switching	
T1 Cable/MATV port		Fluorescent lighting	
T2 Voice port and phone		Illumination level: See Table 7600-16	
T3 Data port near teacher workstation		Theatrical lighting	
T4 5 data ports (minimum)		Clock	
for student use		Central sound system	
T5 Video port, monitor,		<u>Electronic Safety and Security:</u>	Div. 28
VCR/DVD, and brackets		Life safety devices per code	
<u>Miscellaneous:</u>			
M1 Projection device on cart	Div. 27		
M2 5 computers for student use			
M3 Computer teacher use			
M4 MIDI synthesizer <u>(one room only)</u>			
M5 A/V recording/playback equipment <u>(one room only)</u>			

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.

GENERAL MUSIC STORAGE

E-MU-2



GOAL:

- To provide adequate storage for choral risers, accessories, and equipment

PROGRAM ACTIVITIES:

- Storage and simple repair of accessories and equipment

SPATIAL RELATIONSHIPS:

- Adjacent and access to General Music Room

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets

CAPACITY:

- Students
- Teachers

SIZE:

- 150 SF – 200 SF

ANCILLARY SPACES:

- General Music Room (E-MU-1)

NOTES:

Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

GENERAL MUSIC STORAGE

E-MU-2

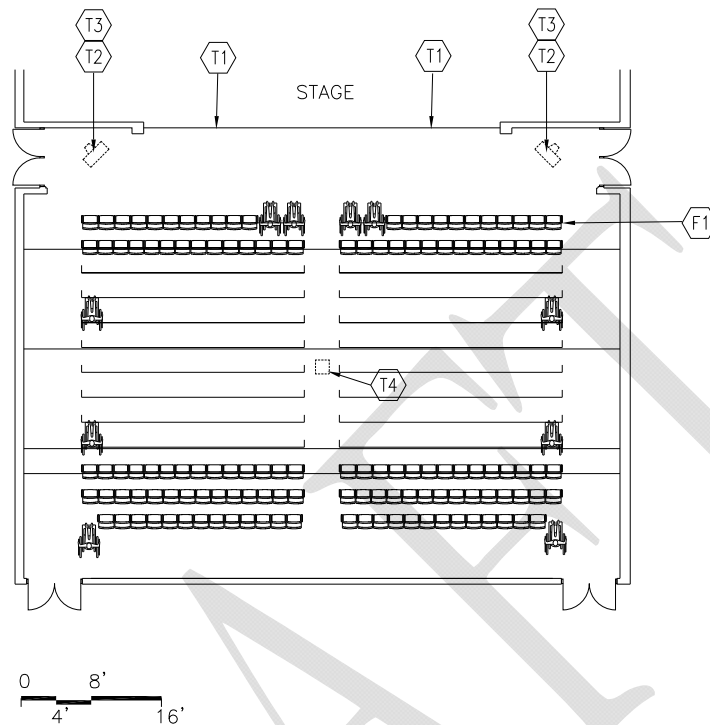
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Storage shelving:	
		12" deep	105613
Base:		F2 Storage shelving:	
Resilient base	096519	18" deep	105613
Ceiling:		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units		N/A	
	042000 / 099123		
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
L1 2, four-drawer file cabinet (legal size)		Supply/return air system	
		<u>Electrical:</u>	Div. 26
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

PERFORMANCE HALL

M-PA-1



CAPACITY:

- Students
- Teachers
- Members of the community

SIZE:

- 3,000 SF

ANCILLARY SPACES:

- Stage (M-PA-2)
- Control Room (M-PA-4)

ENVIRONMENTAL CONSIDERATIONS:

- Optimize acoustic qualities
- Provide flat floor area

GOAL:

- To provide a flexible performance venue

PROGRAM ACTIVITIES:

- Theatrical productions
- Student assemblies
- Musical productions
- Community programs and events
- Gallery

SPATIAL RELATIONSHIPS:

- Convenient access to visitor parking
- Locate near restrooms
- Locate adjacent to other performing arts spaces
- All facilities in this area must have easy access to the rest of the school building with capability to be closed off from all parts of school during public evening activities
- Adjacent and access to Stage
- Adjacent and access to Control Room
- Sound connections in seating section

NOTES:

1. Design Professional and/or theatre/acoustical consultant shall confirm auditorium finishes/features and performance criteria with District of Columbia Public Schools' performing arts personnel.

Educational Specifications for Brookland Middle School

PERFORMANCE HALL

M-PA-1

	Spec. Ref.#
<u>Finishes¹:</u>	
<u>Flooring:</u>	
Vinyl composition tile	096519

<u>Base:</u>	
Resilient base	096519

<u>Ceiling:</u>	
Suspended, acoustical	095113
Curved deflection ceilings with acoustical metal deck	

<u>Walls:</u>	
Painted concrete masonry units	
	042000 / 099123
Optional finishes include:	
Split Face CMU	042000
Ground Face CMU	042000
Acoustical CMU	042000
Painted Gypsum board	
	092216 / 099123

<u>Loose Furnishings</u>	
Loose seating to be combined with telescope seating	

	Spec. Ref.#
<u>Features¹:</u>	
F1 Telescoping audience seating	126100

<u>Fire Suppression:</u>	Div. 21
Fire suppression system	

<u>Plumbing:</u>	
N/A	

<u>HVAC:</u>	Div. 23
Supply/return air system	
Independent temperature control	

<u>Electrical:</u>	Div. 26
Duplex receptacles	
TVSS protected quad receptacle adjacent to each data port	
Feature lighting	
Stage dimming system	
House lighting	
Illumination levels: See table 7600-16	
Clock	
Auditorium sound system	

<u>Communications²:</u>	Div. 27
T1 2 data ports	
In apron below stage	
T2 2 video ports, monitors, VCR/DVD, and brackets	
T3 2 cable/MATV ports	
Computerized lighting controls	
Communication system among Control Room, Stage, and Workroom/ Storage	

<u>Electronic Safety and Security:</u>	Div. 28
Life safety devices per code	

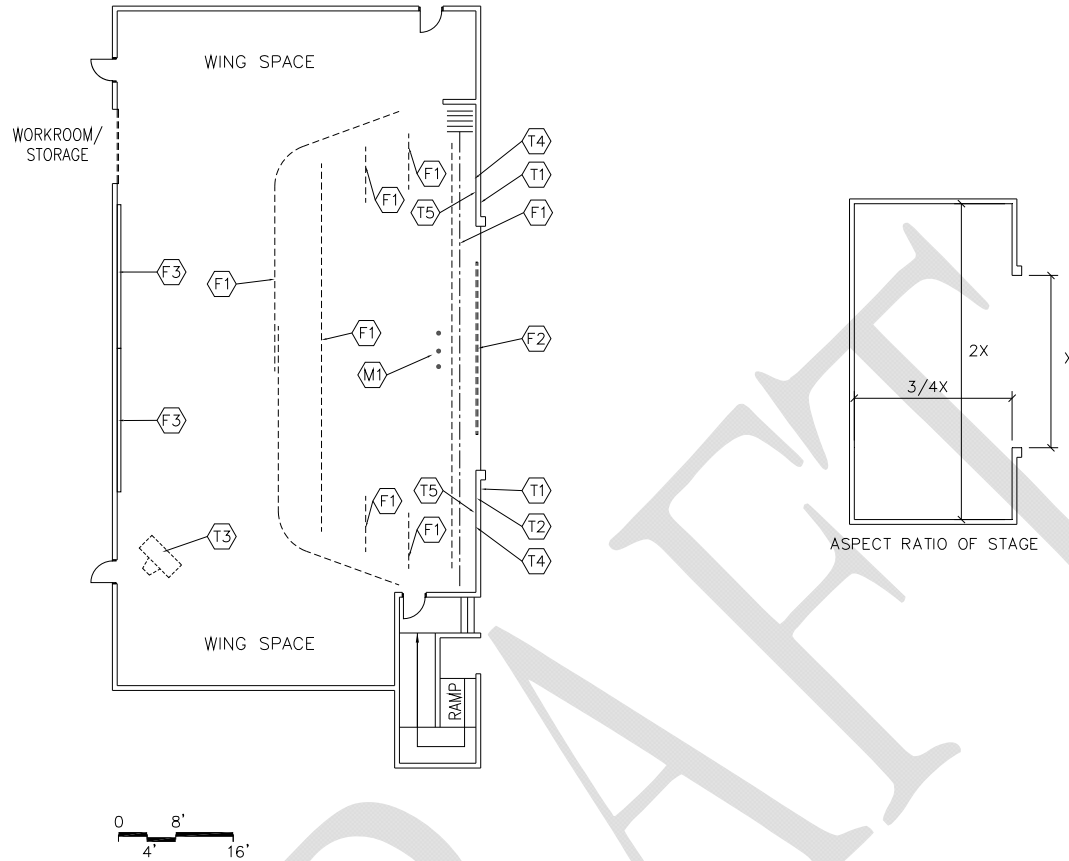
1. Finishes/Features: Refer to Chapter 8 for specification references.

2. Refer to Educational Specifications - Communications Technology, Section 1240.

Educational Specifications for Brookland Middle School

STAGE

M-PA-2



CAPACITY:

- Students
- Teachers
- Parents/volunteers
- Members of the community

SIZE:

- 800

ANCILLARY SPACES:

- Hall Seating (M-PA-1)
- Workroom/Storage (M-PA-3)

GOAL:

- To provide a space for student performances

PROGRAM ACTIVITIES:

- Theatrical/musical productions
- Conferences, student assemblies, and award programs
- Dance instruction

SPATIAL RELATIONSHIPS:

- Adjacent and access to Auditorium
- Adjacent and access to Workroom/Storage
- Near music classrooms

ENVIRONMENTAL CONSIDERATIONS:

- Environmental sound control
 - Wall minimum: STC 56
 - Roof minimum: STC 40
- Provide sufficient wings space for productions
- Specialty track lighting for Stage

NOTES:

1. Design Professional and/or theatre/acoustical consultant shall confirm auditorium finishes/features and performance criteria with District of Columbia Public Schools' performing arts personnel.

Educational Specifications for Brookland Middle School

STAGE M-PA-2

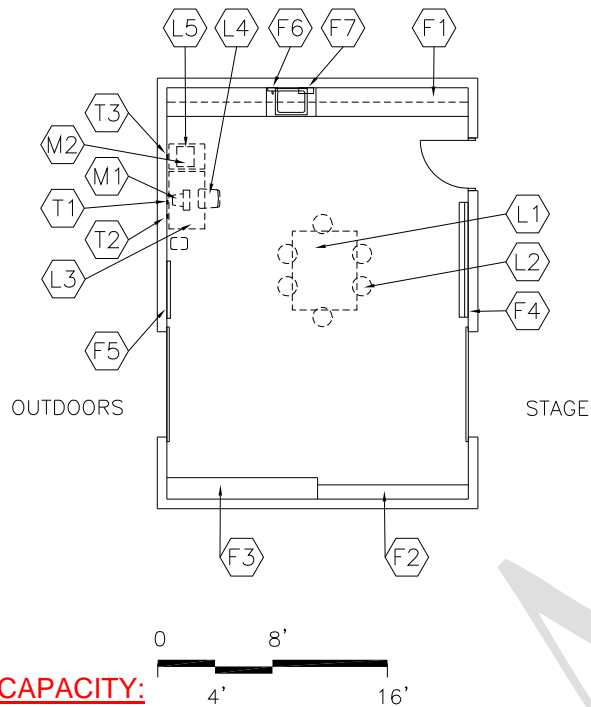
	<u>Spec.</u>		<u>Spec.</u>
<u>Finishes¹:</u>	<u>Ref.#</u>	<u>Features:</u>	<u>Ref.#</u>
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
<u>Wood flooring²</u>	<u>096466</u>	F1 <u>Theater and stage equipment</u>	<u>116143</u>
		F2 <u>Motorized projection screen</u>	<u>115213</u>
		F3 <u>Mirror</u>	<u>088000</u>
		F4 <u>Operable partition, manual</u>	<u>102226</u>
<u>Base:</u>		<u>Fire Suppression:</u>	<u>Div. 21</u>
<u>Ventilated resilient base</u>	<u>096466</u>	<u>Fire suppression system</u>	
<u>Ceiling:</u>		<u>Plumbing:</u>	
<u>Painted exposed structure</u>	<u>099123</u>	<u>N/A</u>	
<u>Walls:</u>		<u>HVAC:</u>	<u>Div. 23</u>
<u>Painted concrete masonry</u>		<u>Supply/return air system</u>	
<u>units</u>	<u>042000 / 099123</u>	<u>Independent temperature</u>	
		<u>control</u>	
<u>Loose Furnishings (Not Shown):</u>		<u>Smoke hatches</u>	
<u>Upright piano</u>		<u>Electrical:</u>	<u>Div. 26</u>
<u>Portable dance bars</u>		<u>Duplex receptacles</u>	
<u>Mobile folding risers</u>		<u>12" o.c. on back and wing walls</u>	
<u>Podium</u>		<u>3 duplex outlets in apron at front</u>	
<u>Orchestra shell (optional)</u>		<u>of stage</u>	
		<u>TVSS protected quad receptacle</u>	
<u>Miscellaneous:</u>		<u>adjacent to each data port</u>	
M1 <u>Handheld/lavaliere microphones</u>		<u>Single-level switching</u>	
		<u>General purpose lighting</u>	
		<u>Stage dimming system</u>	
		<u>House lighting</u>	
		<u>Illumination levels: See table 7600-16</u>	
		<u>Clock</u>	
		<u>Auditorium sound system</u>	
		<u>Provide outlet in apron at front of stage</u>	
		<u>Communications³:</u>	<u>Div. 27</u>
		T1 <u>2 data ports on stage</u>	
		T2 <u>Voice port and telephone</u>	
		T3 <u>Cable/MATV port</u>	
		T4 <u>Microphone port</u>	
		T5 <u>Jacks for sound system</u>	
		T6 <u>Video port, monitor, VCR/DVD,</u>	
		<u>and bracket</u>	

1. Finishes/Features: Refer to Chapter 8 for specification references.

2. Provide hardwood on forestage and extend into stage at width of proscenium by 10'-20' deep.

WORKROOM / STORAGE

M-PA-3



CAPACITY:

- Students
- Teachers
- Parents/volunteers

SIZE:

- 400 SF

ANCILLARY SPACES:

- Stage (M-PA-2)

GOAL:

- To provide an area to construct and store props

PROGRAM ACTIVITIES:

- Construction of props
- Storage

SPATIAL RELATIONSHIP:

- Adjacent and access to Stage
(2 doors)

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Adequate ventilation
- Minimum 20' clear ceiling height
- Doors should be 15' clear height to allow for moving flats to storage
- Provide rigging to support sets

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

WORKROOM / STORAGE

M-PA-3

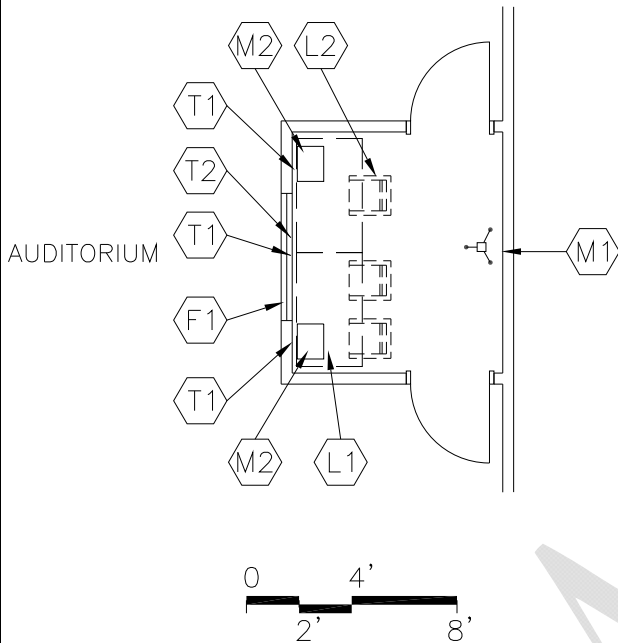
	<u>Spec.</u>		<u>Spec.</u>
	<u>Ref.#</u>		<u>Ref.#</u>
<u>Finishes¹:</u>		<u>Features:</u>	
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
<u>Sealed concrete</u>	<u>033000</u>	F1 <u>Casework:</u>	<u>123200</u>
		<u>Base/wall cabinets and shelving</u>	
<u>Base:</u>		F2 <u>Storage shelving:</u>	<u>105613</u>
<u>Resilient base</u>	<u>096519</u>	<u>12" deep</u>	
		F3 <u>Storage shelving:</u>	<u>105613</u>
<u>Ceiling:</u>		<u>18" deep</u>	
<u>Painted exposed structure</u>	<u>099123</u>	F4 <u>Marker board (8 LF)</u>	<u>101100</u>
		F5 <u>Tack board (4 LF)</u>	<u>101100</u>
<u>Walls:</u>		F6 <u>Soap dispenser</u>	<u>102800</u>
<u>Painted concrete masonry</u>		F7 <u>Towel dispenser</u>	<u>102800</u>
<u>units</u>	<u>042000 / 099123</u>		
		<u>Fire Suppression:</u>	<u>Div. 21</u>
<u>Loose Furnishings:</u>		<u>Fire suppression system</u>	
L1 <u>Workbench</u>			
L2 <u>6 Stools</u>		<u>Plumbing:</u>	<u>Div. 22</u>
<u>Wastebasket</u>		<u>Plumbing connections</u>	
		<u>Sink</u>	
		<u>HVAC:</u>	<u>Div. 23</u>
		<u>Supply/return air system</u>	
		<u>Electrical:</u>	<u>Div. 26</u>
		<u>Duplex receptacles</u>	
		<u>TVSS protected quad receptacle</u>	
		<u>adjacent to each data port</u>	
		<u>Single-level switching</u>	
		<u>Fluorescent lighting:</u>	
		<u>Illumination level: see table 7600-16</u>	
		<u>Clock</u>	
		<u>Central sound system</u>	
		<u>Auditorium sound system</u>	
		<u>Communications²:</u>	<u>Div. 27</u>
		T1 <u>Voice port and phone</u>	
		T2 <u>Data port at workstation</u>	
		T3 <u>Data port at printer</u>	
		<u>Electronic Safety and Security:</u>	<u>Div. 28</u>
		<u>Life safety devices per code</u>	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

CONTROL ROOM

M-PA-4



GOAL:

- To provide space for the equipment needed to operate the sound, lighting, and projection equipment for the Performance Hall.

PROGRAM ACTIVITIES:

- Running sound and light equipment for performances
- Teaching of technical theatre

SPATIAL RELATIONSHIPS:

- Behind last row of auditorium seating

ENVIRONMENTAL CONSIDERATIONS:

- Unobstructed view of stage at all times
- Uniform lighting
- Task lighting
- Electrical outlets for equipment
- Environmental sound control:
 - Wall minimum: STC 55
 - Ceiling minimum: CAC 55
- Consider sound transfer during performances
- Handicapped accessible
- Auditory privacy
- Audio drop connecting control room and stage

CAPACITY:

- 3-5 students
- Teacher

SIZE:

- 80 SF

ANCILLARY SPACES:

- Performance Hall (M-PA-1)

NOTES:

1. Design Professional and/or theatre/acoustical consultant shall confirm auditorium finishes/features and performance criteria with District of Columbia Public Schools' performing arts personnel.

Educational Specifications for Brookland Middle School

CONTROL ROOM

M-PA-4

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features:</u>	
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
<u>Carpet</u>	096816	<u>F1 Operable window</u>	081113 / 088000
<u>Base:</u>		<u>Fire Suppression:</u>	Div. 21
<u>Resilient base</u>	096519	<u>Fire suppression system</u>	
<u>Ceiling:</u>		<u>Plumbing:</u>	
<u>Suspended, acoustical</u>	095113	<u>N/A</u>	
<u>Walls:</u>		<u>HVAC:</u>	Div. 23
<u>Painted concrete masonry</u>		<u>Supply/return air system</u>	
<u>units</u>	042000 / 099123	<u>Soundproof HVAC system</u>	
<u>Loose Furnishings:</u>		<u>Independent temperature</u>	
<u>L1 Rectangular Tables</u>		<u>control</u>	
<u>L2 3 chairs</u>		<u>Electrical:</u>	Div. 26
<u>Wastebasket</u>		<u>Duplex receptacles</u>	
		<u>TVSS protected quad receptacle</u>	
		<u>adjacent to each data port</u>	
		<u>Single-level switching</u>	
		<u>Feature/task lighting</u>	
		<u>Stage dimming system</u>	
		<u>Clock</u>	
		<u>Auditorium sound system</u>	
		<u>Communications²:</u>	Div. 27
		<u>T1 3 data ports</u>	
		<u>T2 Voice and phone</u>	
		<u>Electronic Safety and Security:</u>	Div. 28
		<u>Life safety devices per code</u>	
		<u>Miscellaneous:</u>	
		<u>M1 Camcorder with tripod</u>	
		<u>M2 Lighting/Sound/Video control</u>	
		<u>Equipment (mobile/portable)</u>	
		<u>Intercom/Headset connections</u>	

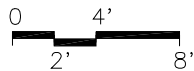
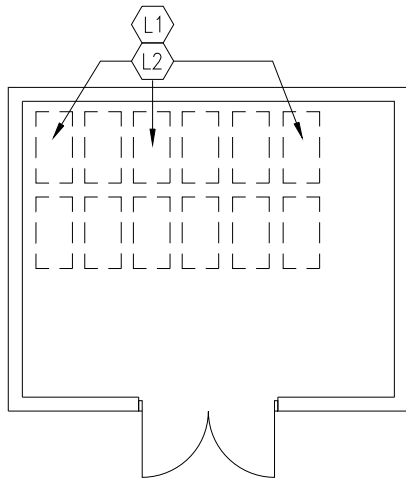
NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

CHAIR STORAGE

M-PA-5

•



CAPACITY:

N/A

SIZE:

• 200 SF

ANCILLARY SPACES:

N/A

GOAL:

- To provide convenient storage of chairs

PROGRAM ACTIVITY:

- Storing and retrieving chairs, portable risers, podium, and piano

SPATIAL RELATIONSHIPS:

- Adjacent to Auditorium Seating
- May provide back of stage access

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building surfaces
- Accessibility for moving furniture in and out

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

CHAIR STORAGE

M-PA-5

	<u>Spec.</u>		<u>Spec.</u>
<u>Finishes¹:</u>	<u>Ref.#</u>	<u>Features¹:</u>	<u>Ref.#</u>
<u>Flooring:</u>		<u>Fixed Equipment:</u>	
<u>Vinyl composition tile</u>	<u>096519</u>	<u>N/A</u>	
<u>Base:</u>		<u>Fire Suppression:</u>	<u>Div. 21</u>
<u>Resilient base</u>	<u>096519</u>	<u>Fire suppression system</u>	
<u>Ceiling:</u>		<u>Plumbing:</u>	
<u>Cleanable, suspended, acoustical</u>	<u>095113</u>	<u>N/A</u>	
<u>Walls:</u>		<u>HVAC:</u>	<u>Div. 23</u>
<u>Epoxy-painted concrete</u>		<u>Supply/return air system</u>	
<u>masonry units</u>	<u>042000 / 099123</u>	<u>Electrical:</u>	<u>Div. 26</u>
<u>Loose Furnishings:</u>		<u>Duplex receptacles</u>	
<u>L1 Chairs</u>		<u>Single-level switching</u>	
<u>L2 Chair dollies</u>		<u>Fluorescent lighting</u>	
		<u>Illumination level: See Table 7600-16</u>	
		<u>Communications:</u>	
		<u>N/A</u>	
		<u>Electronic Safety and Security:</u>	
		<u>N/A</u>	
		<u>Miscellaneous:</u>	
		<u>N/A</u>	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

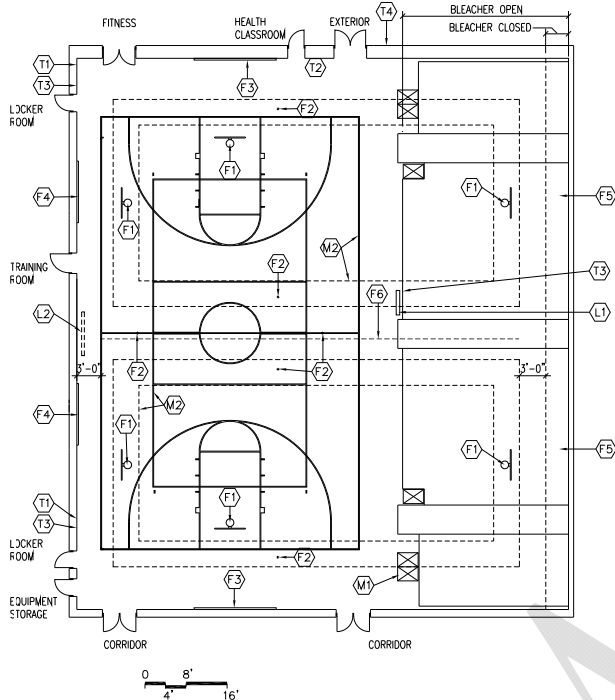
Educational Specifications for Brookland Middle School

Physical Education

Spaces	Suggested			Comments
	Quantity	S.F.	Total	
Gymnasium	1	6,500	6,500	
Storage	1	400	400	
Locker Rooms	2	750	1500	w/ bathrooms
Office	2	150	300	
Uniform Storage	1	250	250	
Coach Office	1	120	120	
Fitness	1	800	800	
Total			9,870	

MULTIPURPOSE GYMNASIUM

M-PEH-1



Please see page 5105-5 for an enlargement of this diagram.

CAPACITY:

- Students
- Teachers and staff
- Members of the community (after hours)

ANCILLARY SPACES:

- Health Classroom (M-PEH-3)
- Locker Rooms/Shower (M-PEH-4)
- Equipment Storage (M-PEH-6)

GOAL:

- To serve as a physical education facility during the school day and a practice and recreation area during non-school hours

PROGRAM ACTIVITIES:

- Physical education classes
- Interscholastic competition and daily practices
- Fitness
- Community programs and activities

SPATIAL RELATIONSHIPS:

- Adjacent and access to Fitness
- Adjacent and access to Health Classroom
- Adjacent and access to Locker Rooms/Shower
- Adjacent and access to Equipment Storage
- Near public toilets
- Near visitor parking
- Near outdoor play fields

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Adequate sound control/acoustics
- Clear height of 25' from floor to nearest obstruction
- Environmental sound control:
Wall minimum: STC 50
- Floor marked for various courts: volleyball, basketball, badminton, tennis
- Must be able to isolate Multipurpose Gymnasium from the rest of the school after hours
- Electrical outlets for equipment
- Drinking fountains in adjacent areas
- Capacity of bleachers shall be minimum of the student capacity plus staff
- Lighting should not add considerable heating load to gymnasium

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

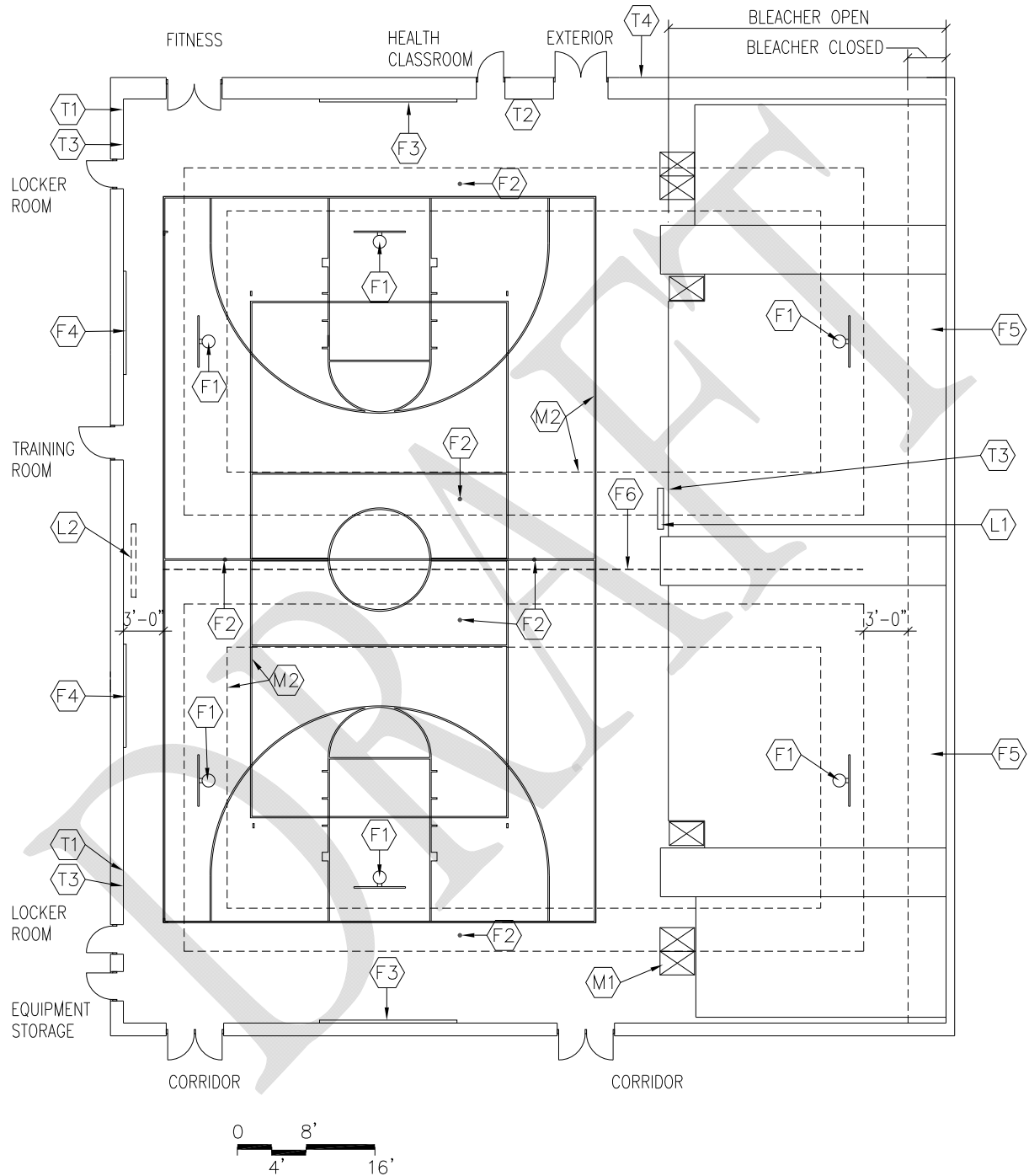
Educational Specifications for Brookland Middle School

MULTIPURPOSE GYMNASIUM

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		<u>Fixed Equipment:</u>	
Athletic wood flooring	096466	F1 Basketball backstops, adjustable height (ceiling hung or portable)	116600
Base:		F2 Volleyball sleeves and standards	116600
Ventilated resilient base	096466	F3 Safety wall wainscot	116600
Ceiling:		F4 Tack boards (32 LF)	101100
Painted exposed structure or Acoustical metal deck	099123	F5 Telescoping bleachers with scorer's table	126600
Walls:		F6 Gymnasium divider curtain	116600
Painted concrete masonry units	042000 / 099123	<u>Fire Suppression:</u>	Div. 21
Sound absorbing concrete masonry units on 2 walls (minimum)	042000	Fire suppression system	
		Preaction sprinkler system	
<u>Loose Furnishings:</u>		<u>Plumbing:</u>	
L1 Scorer table		N/A	
(additional location for flexibility)		<u>HVAC:</u>	Div. 23
L2 Scoreboard and control panel		Supply/return air system	
		Independent temperature control	
<u>Miscellaneous:</u>		<u>Electrical:</u>	Div. 26
M1 Handicapped seating		Duplex receptacles	
M2 Court markings (minimum)		Electrical connections to P.E. equipment where necessary	
84' x 50' main basketball court, 2 cross courts to fit		Single-level switching	
Regulation volleyball court, 2 cross courts to fit		TVSS protected quad receptacle adjacent to each data and video port	
<u>Communications²:</u>	Div. 27	High intensity discharge lighting	
T1 Microphone port		Means of egress lighting per code	
T2 Voice port and phone		Clocks with wire guards	
T3 Ports for sound system		Scoreboard (control outlets in the face of bleachers and opposite wall)	
T4 Outside microphone port		Central sound system	
		Gymnasium sound system	
		Provide wire guards on light fixtures and electrical devices.	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

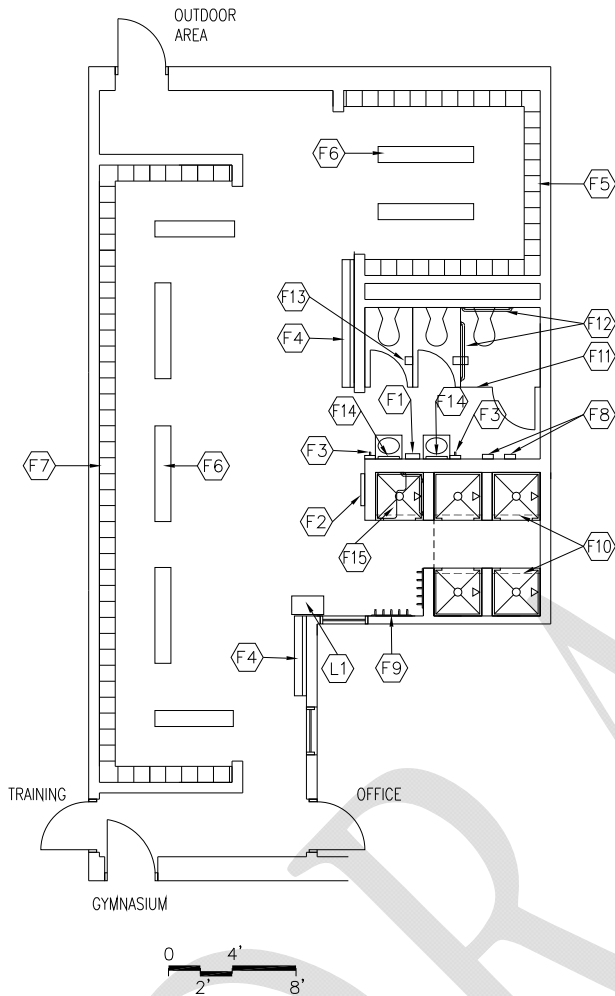
NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications — Technology, Section 1240.



LOCKER ROOMS / SHOWERS

M-PEH-4



GOAL:

- To provide a safe and clean area for students to shower, change, and store

PROGRAM ACTIVITIES:

- Change clothing
- Clothing storage
- Shower
- Minor medical treatment

SPATIAL RELATIONSHIPS:

- Adjacent and access to gymnasium and outdoor area
- Located on gymnasium level
- Adjacent and access to office
- Provide blind condition at entry points

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Cleanable building surfaces
- Adequate ventilation and exhaust
- Handicapped accessible
- Towel storage in adjacent area

CAPACITY:

- 10-20 students
- Others as appropriate

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Multipurpose Gymnasium (M-PEH-1)
- Office (M-PEH-5)

NOTES:

- Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

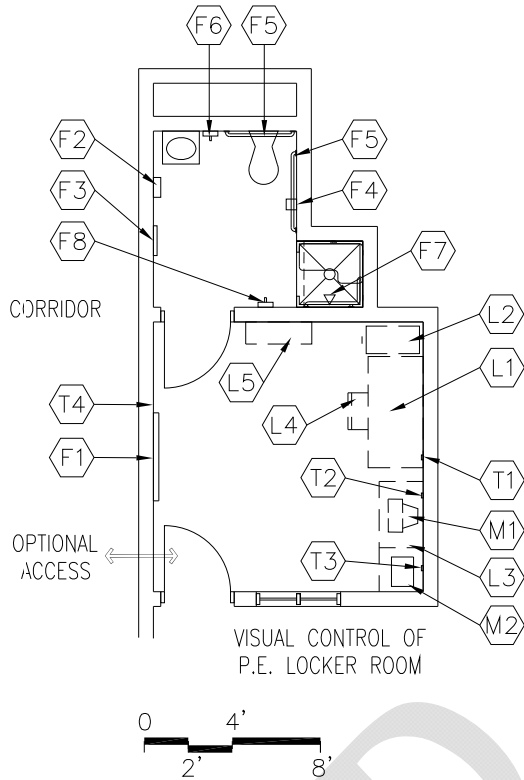
LOCKER ROOMS / SHOWERS

M-PEH-4

<u>Finishes¹:</u>	Spec.	<u>Features¹:</u>	Spec.
	Ref.#		Ref.#
Flooring:		Fixed Equipment:	
Ceramic mosaic tile	093013	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
		F3 Soap dispenser	102800
Base:		F4 Narrow counter with mirror above	064123
Ceramic mosaic tile	093013	F5 Athletic/PE lockers (30)	105113
with covered base		F6 Locker benches	105113
		F8 Hand dryer	
Ceiling:		F9 Towel hooks	102800
Lockers: Acoustical, suspended	095113	F10 Shower curtain and rod	102800
tectum with hold down clips		F11 Toilet partitions	102113
		F12 36" x 42" grab bars	102800
Painted portland cement plaster		F13 Toilet tissue holders	102800
096613 / 099123		F15 ADA shower accessories	102800
Walls:			
Lockers: Epoxy painted concrete		<u>Fire Suppression:</u>	Div. 21
masonry units	042000 / 099123	Fire suppression system	
Toilet/Showers: Ceramic tile	093013		
		<u>Plumbing:</u> Div. 22	
<u>Loose Furnishings:</u>		Plumbing connections (two private showers	
L1 Hamper		only)	
		Wall-mounted water closets	
<u>Electrical:</u> Div. 26		Wall-mounted lavatories	
Duplex receptacles on perimeter		Wall-mounted urinals	
walls		ADA shower controls and head	
Single-level switching		Shower fixtures (2)	
Fluorescent lighting		Floor drains - in locker area, toilet area, and	
Illumination level: See Table 7600-16		showers	
Means of egress per code		<u>HVAC:</u> Div. 23	
Clock		Supply/return air system	
Central sound system		Exhaust air system	
		Independent temperature	
		controls	
<u>Communications:</u>		Humidity controls	
N/A			
<u>Electronic Safety and Security:</u>	Div. 28	<u>Miscellaneous:</u>	
Life safety devices per code		N/A	

P.E. OFFICE

M-PEH-5



GOAL:

- To provide a work area for physical education faculty and staff to conduct administrative duties

PROGRAM ACTIVITIES:

- Ordering
- Scheduling
- Planning
- Maintaining records
- Meetings
- Visual control of P.E. Locker Room

SPATIAL RELATIONSHIP:

- Adjacent and access to Locker Rooms/Shower

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 450
 - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light, desirable
- Auditory privacy

CAPACITY:

- 1-2 teachers, student teachers

SIZE:

- 150 SF

ANCILLARY SPACES:

- Locker Rooms/Shower (M-PEH-4)

NOTES:

- Loose furnishings and features shown represent one of many possible arrangements.
- Provide P.E. Office for both men and women.

Educational Specifications for Brookland Middle School

P.E. OFFICE M-PEH-5

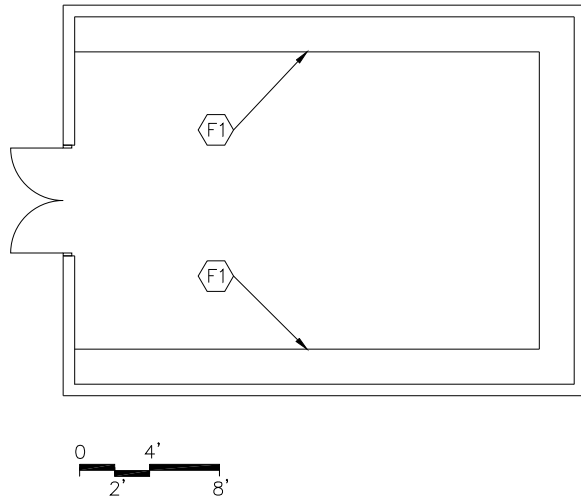
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Office: Vinyl composition tile	096519	F1 Tack board (4 LF)	101100
Toilet: Ceramic mosaic tile	093013	F2 Towel dispenser	102800
		F3 24" x 60" mirror	102800
Base:		F4 Toilet tissue holder	102800
Office: Resilient base	096519	F5 36" and 42" grab bars	102800
Toilet: Ceramic mosaic tile base with covered base	093013	F6 Soap dispenser	102800
		F7 ADA shower accessories	102800
Ceiling:		F8 Towel hook	102800
Acoustical, suspended	05113		
Walls:		Fire Suppression:	Div. 21
Painted concrete masonry units		Fire suppression system	
	042000 / 099123		
Epoxy painted concrete masonry units at restroom	042000 / 099123	Plumbing:	Div. 22
		Plumbing connections	
		Wall mounted lavatory	
		Wall mounted water closet	
		Shower	
		Floor drains - in shower and restroom	
Loose Furnishings:			
L1 Desk		HVAC:	Div. 23
L2 Four-drawer file cabinet		Supply/return air system	
L3 Computer workstation		Independent temperature control	
L4 Ergonomic task chair			
L5 Adjustable height bookshelves (12 LF) Wastebasket		Electrical:	Div. 26
		Duplex receptacles	
		Single-level switching	
		TVSS protected quad receptacle adjacent to data port	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
Miscellaneous:		Communications²:	Div. 27
M1 Computer		T1 Voice port and phone	
		T2 Data port near teacher workstation	
		T3 Data port for printer	
		Electronic Safety and Security:	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications — Communications , Section 1240.

EQUIPMENT (Chair) STORAGE

M-PEH-6



GOAL:

- To provide space to adequately store all equipment and supplies for physical education
- To provide space for 120 folding chairs and 10 folding tables

PROGRAM ACTIVITY:

- Storage for equipment

SPATIAL RELATIONSHIP:

- Adjacent and access to Multipurpose Gymnasium

ENVIRONMENTAL CONSIDERATION:

- Uniform lighting

CAPACITY:

- 1-2 student teachers
- 1-2 teachers

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Multipurpose Gymnasium (M-PEH-1)

NOTES:

1. Loose furnishings and features represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

EQUIPMENT STORAGE M-PEH-6

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Sealed concrete	033000	F1 Storage shelving:	
		84" high, 24" deep	10670
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling:		<u>Plumbing:</u>	
Exposed structure, painted	099123	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted concrete masonry units	042000 / 099123	Supply/return air system	
		Exhaust	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
N/A		Duplex receptacle	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

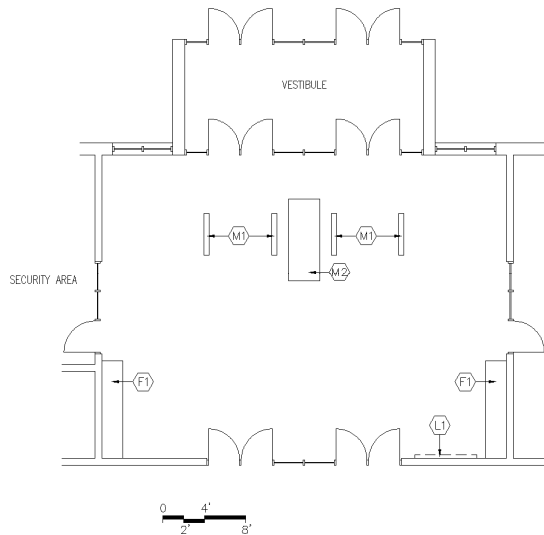
1. Finishes/Features: Refer to Chapter 8 for specification references..

Educational Specifications for Brookland Middle School

Administration/Student Support Services Space Requirements

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Entrance Lobby	1	350	350	Includes security desk
Welcome Center	1	400	400	Welcoming Area, work area for Administrative Asst.
Conference Room	1	250	250	
Principal's Office	1	230	230	
Assistant Principal's Office	2	125	250	
Administrative Workroom/Mail rm	1	200	200	
Telecom Head End Room	1	200	200	
Toilet	1	50	50	
Health Suite				
Waiting/Treatment	1	180	180	
Office	1	120	120	
Cots	1	75	150	2 separated by curtain
Storage	1	25	25	
Toilet	1	50	50	
Book Storage	1	300	300	
Supply Storage	1	150	150	
Staff Lounge	1	600	600	Includes staff toilet
Parent Resources Center	1	300	300	
Student Services Suite				
Attendance/Registrar	1	200	200	
Counselor	2	150	300	
Records storage	1	200	200	
Conference Rm	1	175	175	
Total			4,680	

ENTRANCE LOBBY M-AD-1



GOAL:

- To serve as a check-in and checkpoint for non-school visitors

PROGRAM ACTIVITIES:

- Check-in/out visitors
- Monitor main entrance to school
- Workstation for security officer

SPATIAL RELATIONSHIPS:

- A portion of the lobby
- Adjacent to Welcome Center

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting with accent lighting as appropriate
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Provide exterior canopies at entrances
- Windows to provide ample natural light

CAPACITY:

- Security officer

ANCILLARY SPACES:

- Welcome Center (M-AD-2)

NOTES:

- Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

ENTRANCE LOBBY

M-AD-1

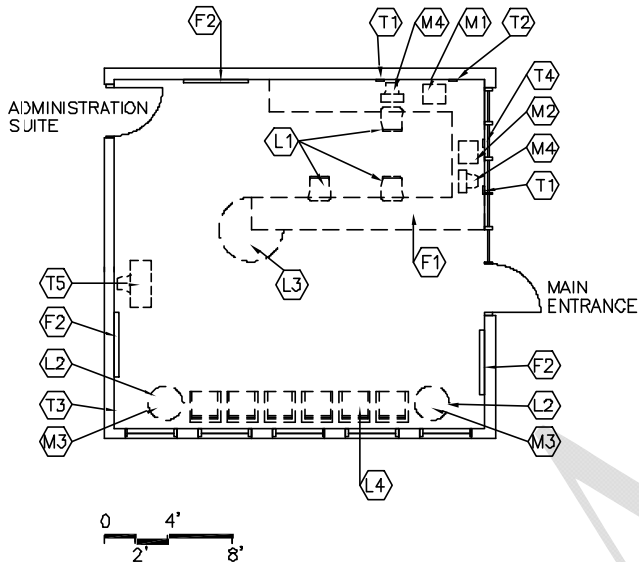
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Fritz tile	096519	F1 Display cases	101100
Base:		<u>Fire Suppression:</u>	Div. 21
Terrazzo	096613	Fire suppression system	
Resilient base	096519		
Ceiling:		<u>Plumbing:</u>	
Painted, portland cement plaster	092400 / 099123	N/A	
Suspended, acoustical	096519		
Walls:		<u>HVAC:</u>	Div. 23
Painted concrete masonry		Supply/return air system	
Units	042000 / 099123		
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 Electronic bulletin board		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Duplex receptacles	
		TVSS protected quad receptacle	
		adjacent to data port	
		Central sound system	
		Clock	
		<u>Communications²:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Metal detector	
		M2 X-ray equipment	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications — Technology, Section 1240.

WELCOME CENTER

M-AD-2



GOAL:

- To provide a space designed to help students and the public feel welcome and to provide easily accessed information

PROGRAM ACTIVITIES:

- Greeting visitors
- Waiting for students or staff
- Student waiting/pick up area
- Workstation for administrative assistant

SPATIAL RELATIONSHIPS:

- Located within the main administrative area
- Centrally located to administrative area
- Near public restrooms
- Maximize view to the exterior and lobby

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, areas of soft lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Adequate ventilation
- Electrical outlets for equipment
- Administration areas should be zoned for year around use

CAPACITY:

- Administrative assistant
- Visitors/parents
- Students

SIZE:

- Varies, see table

ANCILLARY SPACE:

N/A

NOTES:

- Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

WELCOME CENTER

M-AD-2

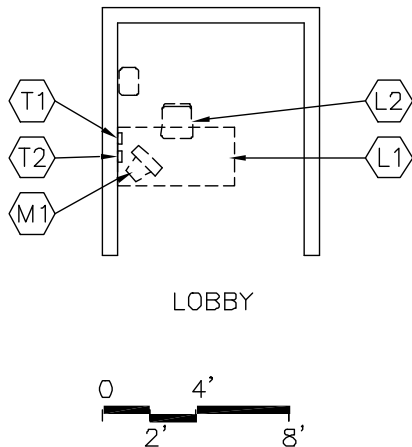
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Carpet	096816	F1 Reception counter	064123
		F2 Tack board (12 LF)	101100
Base:			
Resilient base	096519		
Ceiling: (8' high minimum)		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard		N/A	
over metal studs	092116 / 099123	<u>HVAC:</u>	Div. 23
		Supply/return air system	
		Independent temperature control	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 2 ergonomic task chairs		Duplex receptacles	
L2 2 end tables		TVSS protected quad receptacle	
L3 Information kiosk/display		adjacent to each data port	
L4 4-6 lounge chairs		Single-level switching	
Wastebasket		Fluorescent lighting	
		Illumination level: See Table 7600-16	
<u>Miscellaneous:</u>		Central sound system	
M1 Fax		<u>Communications²:</u>	Div. 27
M2 Printer		T1 2 voice ports and phones at	
M3 Table lamps		workstations	
M4 2 computers		T2 Fax port	
		T3 Voice port and phone at waiting area	
		T4 1 data port for printer	
		T5 Video port, monitor, VCR/DVD,	
		and brackets	
		Cable/MATV port	
		(in waiting area)	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.

SECURITY AREA

M-AD-3



GOAL:

- To serve as a check-in and checkpoint for non-school visitors

PROGRAM ACTIVITIES:

- Check-in/out visitors
- Monitor main entrance to school
- Workstation for security officer

SPATIAL RELATIONSHIPS:

- Adjacent to each entrance lobby / security checkpoint

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Recessed electrical outlets located in the floor

CAPACITY:

- Security officer

SIZE:

- 100 SF

ANCILLARY SPACE:

N/A

NOTES:

2. Loose furnishings and features shown represent one of many possible arrangements.
2. Note: It may be required to have more than one desk location at each checkpoint for each security checkpoint of the school.

Educational Specifications for Brookland Middle School

SECURITY AREA

M-AD-3

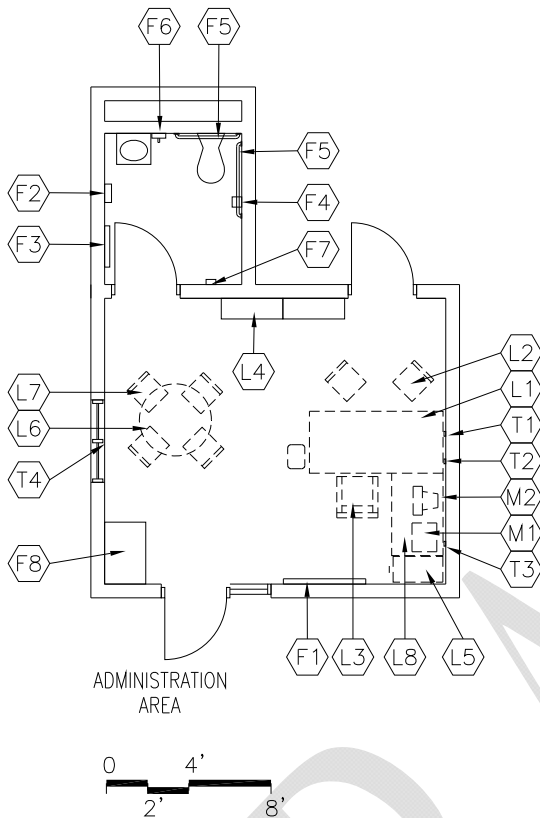
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Coordinate with entrance lobby finishes		N/A	
Base:		<u>Fire Suppression:</u>	Div. 21
Coordinate with entrance lobby finishes		Fire suppression system	
Ceiling:		<u>Plumbing:</u>	
Coordinate with entrance lobby finishes		N/A	
Walls:		<u>HVAC:</u>	Div. 23
Coordinate with entrance lobby finishes		Supply/return air system	
<u>Loose Furnishings:</u>		Independent temperature control	
L1 Desk with lockable file drawer and pencil drawer		<u>Electrical:</u>	Div. 26
L2 Ergonomic task chair		Duplex receptacles	
Wastebasket		TVSS protected quad receptacle adjacent to each data and video port	
		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port near workstation	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Computer	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.

PRINCIPAL'S OFFICE

M-AD-5



CAPACITY:

- Principal

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Conference Room (M-AD-4)
- Individual Restroom

GOAL:

- To provide an office for the principal to give instructional leadership in a personal and organized environment for students, staff, and community

PROGRAM ACTIVITIES:

- Conferences with students, parents, teachers, staff, and visitors
- Curriculum development
- Research and planning
- Telephone communications
- Dealing with personnel issues
- Coordination of school and support services

SPATIAL RELATIONSHIPS:

- Near building entrance
- Near Administrative Assistant
- Adjacent and access to Conference Room
- Door not facing Health Clinic

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light
- One area should be child-scaled and friendly for working with individual students
- Back door to secondary corridor, desirable
- Auditory privacy

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

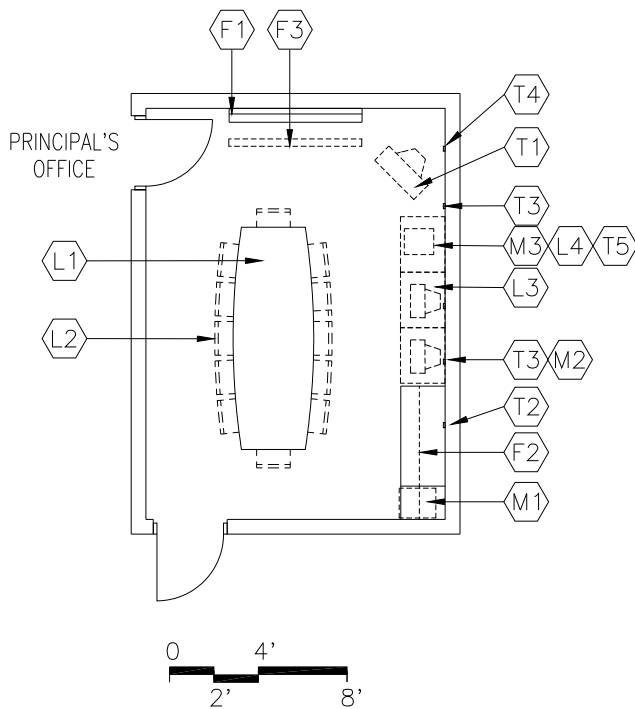
PRINCIPAL'S OFFICE		M-AD-5	
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Office: Carpet	096816	F1 Tack board (4 LF)	101100
Toilet: Ceramic tile	093013	F2 Towel dispenser	102800
		F3 24" x 60" mirror	102800
Base:		F4 Toilet tissue holder	102800
Resilient base	096816	F5 36" and 42" grab bars	102800
Toilet: Ceramic tile base	093013	F6 Soap dispenser	102800
		F7 Coat hook	102800
Ceiling: (8' high minimum)		F8 Casework:	
Suspended, acoustical	095113	Teacher wardrobe	103200
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted gypsum wallboard over metal studs	092116 / 099123	Fire suppression system	
<u>Loose Furnishings:</u>		<u>Plumbing:</u>	Div. 22
L1 Desk		Wall-mounted water closet	
L2 2 visitor chairs		Wall-mounted lavatory	
L3 Ergonomic task chair		Plumbing connections	
L4 Adjustable height bookshelves (12 LF)		Floor drain	
L5 Four-drawer file cabinet		<u>HVAC:</u>	Div. 23
L6 Conference table		Supply/return air system	
L7 4 chairs		Independent temperature control	
L8 Computer workstation		Exhaust air system	
Wastebasket		<u>Electrical:</u>	Div. 26
<u>Miscellaneous:</u>		Duplex receptacles	
M1 Printer		TVSS protected quad receptacle adjacent to each data and video port	
M2 Computer		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port near workstation	
		T3 Data port for printer	
		T4 Cable/MATV port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – CommunicationsTechnology, Section 1240.

CONFERENCE ROOM

M-AD-4



GOAL:

- To provide a place for administrative conferences or meetings

PROGRAM ACTIVITY:

- Conferences with staff, students, parents, and visitors

SPATIAL RELATIONSHIPS:

- Near Welcome Center
- Centrally located within Administrative Area
- Adjacent and access to Principal's Office

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 40
- Electrical outlets for equipment
- Windows to provide natural light, desirable
- Auditory privacy

CAPACITY:

- Staff
- Students
- Parents
- Visitors

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Principal's Office (M-AD-5)

NOTES:

- Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

CONFERENCE ROOM

M-AD-4

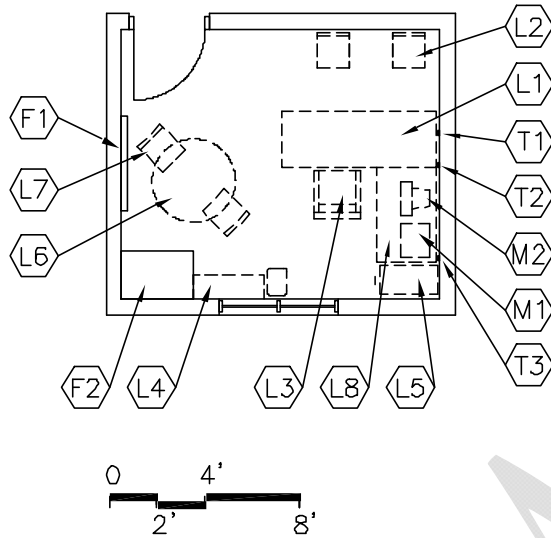
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Carpet	096816	F1 Marker board (6 LF)	101100
		F2 Casework:	
Base:		Base/wall cabinets (6 LF)	123200
Resilient base	096519	F3 Manual projection screen	115213
Ceiling: (8' high minimum)		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard		N/A	
over metal studs	092116 / 099123		
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
L1 Conference table		Supply/return air system	
L2 12 chairs		Independent temperature	
L3 2 computer workstations		control	
L4 Printer table			
Wastebasket			
<u>Miscellaneous:</u>		<u>Electrical:</u>	Div. 26
M1 Under-counter refrigerator		Duplex receptacles	
M2 2 computers		TVSS protected quad receptacle	
M3 Printer		adjacent to each data and	
		video port	
		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 Video port, monitor, VCR/DVD,	
		and bracket	
		T2 Voice port and phone	
		T3 2 data ports	
		T4 Cable/MATV port	
		T5 1 data port for printer	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.

ASSISTANT PRINCIPAL'S OFFICE

M-AD-6



GOAL:

- To provide an office for the assistant principal to perform administrative functions

PROGRAM ACTIVITIES:

- Conferences with parents
- Student interaction
- Conferences with individual teachers or small groups
- Telephone communications (private)
- Research and planning
- Coordination of school and support services

SPATIAL RELATIONSHIPS:

- May be located near Academic Core Area for supervision or in administration suite

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Windows to provide natural light
- Auditory privacy

CAPACITY:

- Assistant principal

SIZE:

- 150 SF

ANCILLARY SPACES:

N/A

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

ASSISTANT PRINCIPAL'S OFFICE

M-AD-6

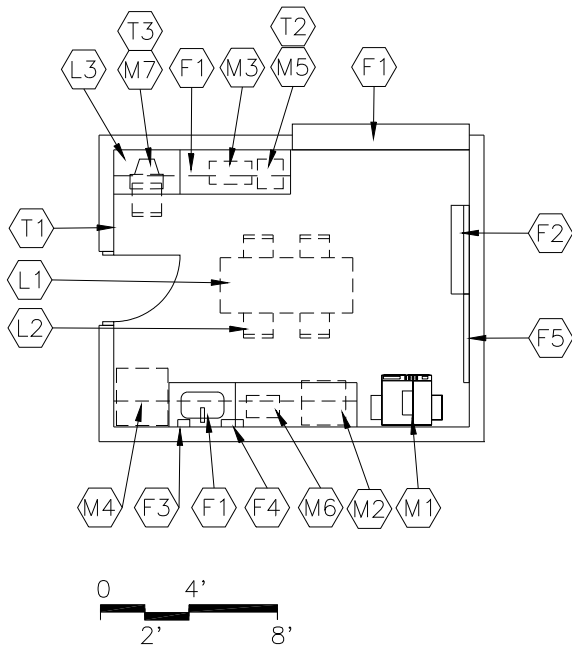
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Carpet	096816	F1 Tack board (4 LF)	101100
		F2 Casework:	
Base:		Teacher wardrobe	103200
Resilient base	096519		
Ceiling: (8' high minimum)		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted gypsum wallboard		N/A	
over metal studs	092116 / 099123		
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
L1 Desk		Supply/return air system	
L2 2 visitor chairs		Independent temperature	
L3 Ergonomic task chair		control	
L4 Adjustable height bookshelves (12 LF)			
L5 Four-drawer file cabinet		<u>Electrical:</u>	Div. 26
L6 Conference table		Duplex receptacles	
L7 2 chairs		TVSS protected quad receptacle	
L8 Computer workstation		adjacent to data and video port	
Wastebasket		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port near workstation	
		T3 Data port for printer	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Printer	
		M2 Computer	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.

ADMINISTRATIVE WORKROOM

M-AD-8



GOAL:

- To provide an area for office production activities

PROGRAM ACTIVITIES:

- Copying
- Collating
- Sorting of files
- Preparing communications for mailing
- Binding reports
- Telephone communications

SPATIAL RELATIONSHIPS:

- Near Welcome Center
- Adjacent to Mailroom (connects via mail slots)

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Adequate ventilation
- Electrical outlets for equipment
- Organize for efficient work flow and sufficient clearance for several people to work at one time

CAPACITY:

- Secretaries and administrators
- Volunteers
- Staff

SIZE:

- 200 SF

ANCILLARY SPACES:

- N/A

NOTES:

- Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

ADMINISTRATIVE WORKROOM

M-AD-8

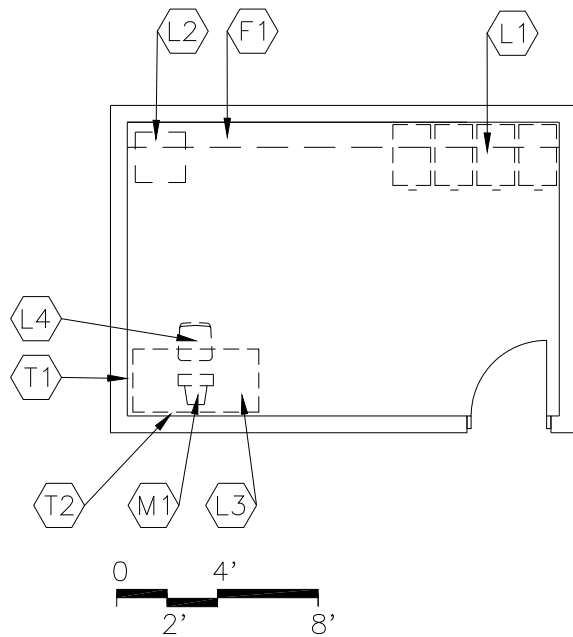
		Spec. Ref.#			Spec. Ref.#
<u>Finishes¹:</u>			<u>Features¹:</u>		
Flooring:			Fixed Equipment:		
	Vinyl composition tile	096519	F1 Casework:	Base/wall cabinets and shelving	123200
Base:			F2 Marker board (4 LF)		101100
	Resilient base	096519	F3 Soap dispenser		102800
Ceiling: (8' high minimum)			F4 Towel dispenser		102800
	Suspended, acoustical	095113	F5 Tack board (4 LF)		101100
Walls:			<u>Fire Suppression:</u>		Div. 21
	Painted gypsum wallboard over metal studs	092116 / 099123	Fire suppression system		
<u>Loose Furnishings:</u>			<u>Plumbing:</u>		Div. 22
L1	Work table		Plumbing connections		
L2	4 chairs		Hook-up for ice maker, sink, single/deep bowl		
L3	Computer workstation Wastebasket		<u>HVAC:</u>		Div. 23
<u>Miscellaneous:</u>			Supply/return air system		
M1	Copier		Independent temperature control		
M2	Paper cutter		<u>Electrical:</u>		Div. 26
M3	Laminating machine		Duplex receptacles		
M4	Refrigerator with ice maker		Raceway above countertop		
M5	Printer		TVSS protected quad receptacle adjacent to each data port		
M6	Microwave		Single-level switching		
M7	Computer		Fluorescent lighting		
<u>Communications²:</u>		Div. 27	Illumination level: See Table 7600-16		
T1	Voice port and phone		Dedicated receptacle for copier		
T2	Data port for printer		Clock		
T3	Data port near workstation		Central sound system		
<u>Electronic Safety and Security:</u>		Div. 28			
Life safety devices per code					

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.

RECORDS ROOM

M-AD-10



GOAL:

- To provide secure, fireproof, and adequate storage for money, records, and other valuable items

PROGRAM ACTIVITIES:

- Storing of money and other valuable items
- Storage of files and records

SPATIAL RELATIONSHIPS:

- Adjacent and access to Administrative Workroom
- Near Data Entry Office

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Security

CAPACITY:

- Secretaries
- Staff

SIZE:

- Varies, see table

ANCILLARY SPACE:

- Administrative Workroom (M-AD-8)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

RECORDS ROOM

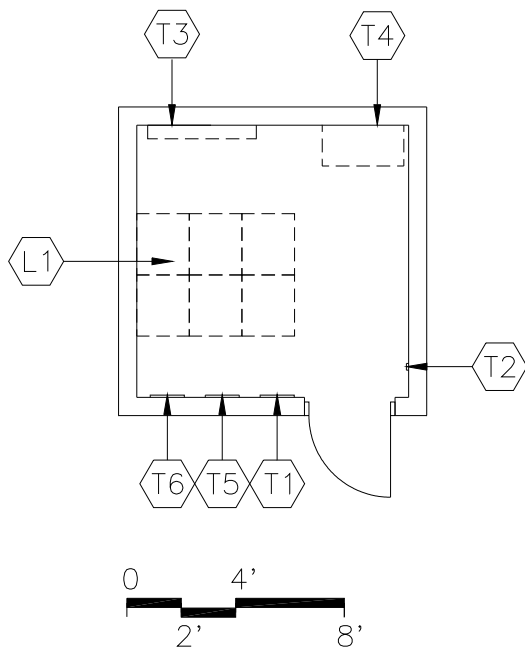
M-AD-10

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Vinyl composition tile	096519	F1 Casework:	
		Wall shelving	123200
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling:			
Suspended, acoustical	095113	<u>Plumbing:</u>	
Walls:		N/A	
Painted concrete masonry units		<u>HVAC:</u>	Div. 23
	042000 / 099123	Exhaust air system	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 4, four-drawer file cabinets (fireproof)		Duplex receptacles	
L2 Small safe		TVSS protected quad receptacle	
L3 Small table		adjacent to each data port	
L4 Chair		Single-level switching	
Wastebasket		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications²:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Computer	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to Educational Specifications – Technology, Section 1240

TELECOM HEAD END ROOM
M-AD-11



CAPACITY:

- 1-2 staff members

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

GOALS:

- To provide a secure area to serve as the information hub of the school. File servers will serve the building's computer network
- To provide satellite up and down links that will send and receive voice, video, and data
- Location of cable TV input and output
- All areas of the school are to be wired to this area

PROGRAM ACTIVITIES:

- Voice, video, data reception, and distribution
- Security system location
- Network management
- Telephone wiring entry and distribution
- Cable and CCTV reception and broadcasting

SPATIAL RELATIONSHIPS:

- May also be located in Media Center

ENVIRONMENTAL CONSIDERATIONS:

- Adequate power supply will be required and auxiliary UPS power for back-up. (Quality of power is important.)
- Dedicated electrical circuitry
- Air conditioning dedicated to this space
- Adequate ventilation
- Access to ceiling and walls for modifications to systems and wiring
- Security of door

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

TELECOM HEAD END ROOM M-AD-11

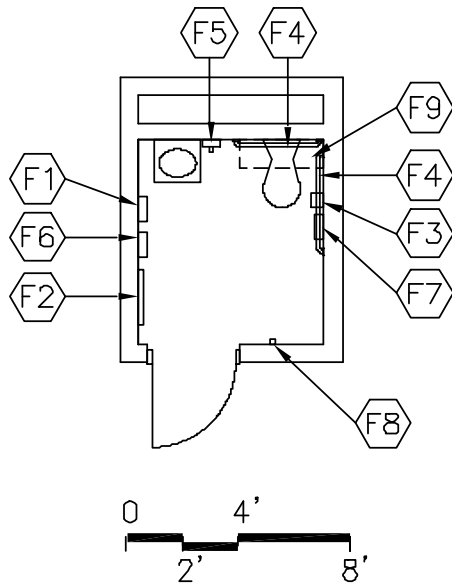
		Spec.			Spec.
<u>Finishes¹:</u>		<u>Ref.#</u>	<u>Features¹:</u>		<u>Ref.#</u>
Flooring:			N/A		
Vinyl composition tile		096519	<u>Fire Suppression:</u>		Div. 21
			Fire suppression system		
Base:					
Resilient base		096519	<u>Plumbing:</u>		
			N/A		
Ceiling: (8' high minimum)					
Suspended, acoustical		095113	<u>HVAC:</u>	Div. 23	
			Supply/return air system		
Walls:			Independent, packaged system		
Painted concrete masonry units		042000 / 099123			
			<u>Electrical:</u>		Div. 26
<u>Loose Furnishings:</u>			Duplex receptacles		
L1 6-8 racks			Quad receptacles for electronic systems		
			Single-level switching		
			Fluorescent lighting		
			Illumination level: See Table 7600-16		
			Central sound system		
			<u>Communications²:</u>		Div. 27
			T1 Data network system		
			T2 Voice port and phone		
			T3 Telephone switchgear		
			T4 Video network control		
			T5 Satellite dish connection		
			T6 Satellite and cable system controls access		
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		283111
			<u>Miscellaneous:</u>		
			N/A		

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.

STAFF TOILET

M-AD-13



GOAL:

- To provide a safe and clean toileting area for staff

PROGRAM ACTIVITIES:

- Toileting
- Hand washing

SPATIAL RELATIONSHIPS:

- Located within Administrative Suite

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Moisture- and stain- resistant finishes
- Adequate exhaust/ventilation

CAPACITY:

- Staff

SIZE:

- 50 SF

ANCILLARY SPACES:

N/A

NOTES:

- Extend walls above ceiling to deck above for security and acoustical reasons.
- Provide staff restrooms for both men and women.
- Each pair of staff restrooms should be distributed throughout the building at appropriate locations.

Educational Specifications for Brookland Middle School

STAFF TOILET M-AD-13

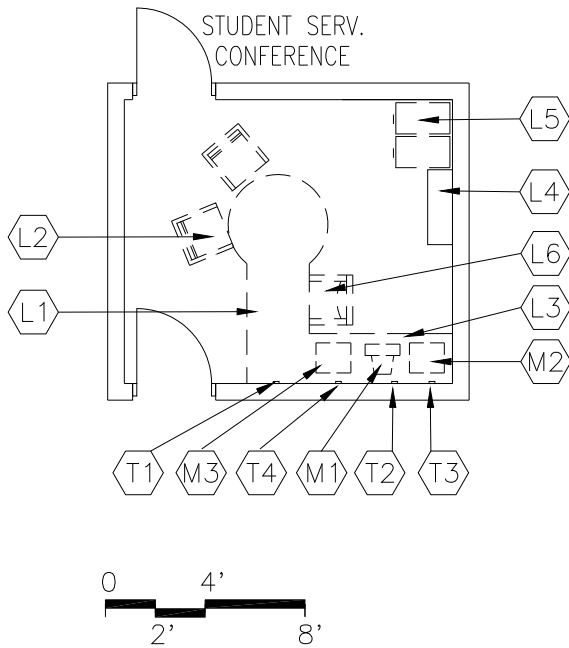
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Ceramic tile	093013	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
Base:		F3 Toilet tissue holder	102800
Ceramic tile base	093013	F4 36" and 42" grab bars	102800
		F5 Soap dispenser	102800
Ceiling:		F6 Sanitary dispenser	102800
Suspended, acoustical	095113	F7 Sanitary disposal	102800
		F8 Coat hook	102800
Walls:		F9 Casework:	
Painted concrete masonry units		Wall cabinet	123200
	042000 / 099123		
<u>Loose Furnishings:</u>		<u>Fire Suppression:</u>	Div. 21
N/A		Fire suppression system	
		<u>Plumbing:</u> Div. 22	
		Wall-mounted water closet	
		Wall-mounted lavatory	
		Plumbing connections	
		Floor drain	
		<u>HVAC:</u> Div. 23	
		Exhaust air system	
		Supplemental heat as required	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		<u>Communications²:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

COUNSELOR'S OFFICE/ATTENDANCE/REGISTRAR

M-AD-14



CAPACITY:

- Counselor
- Students
- Parents
- Support services personnel
- Specialized student services

SIZE:

- 150 SF

ANCILLARY SPACE:

- Student Services Conference (M-AD-13)

GOAL:

- To provide a space from which support staff can provide a variety of services to students and their families

PROGRAM ACTIVITIES:

- Group and individual counseling
- Student assessment

SPATIAL RELATIONSHIPS:

- Adjacent and access to Student Services Conference Room
- Near Welcome Center
- Readily accessible to students

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
 - Walls minimum: STC 45
 - Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Auditory privacy
- Windows to provide natural light, if possible

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

COUNSELOR'S OFFICE

M-AD-14

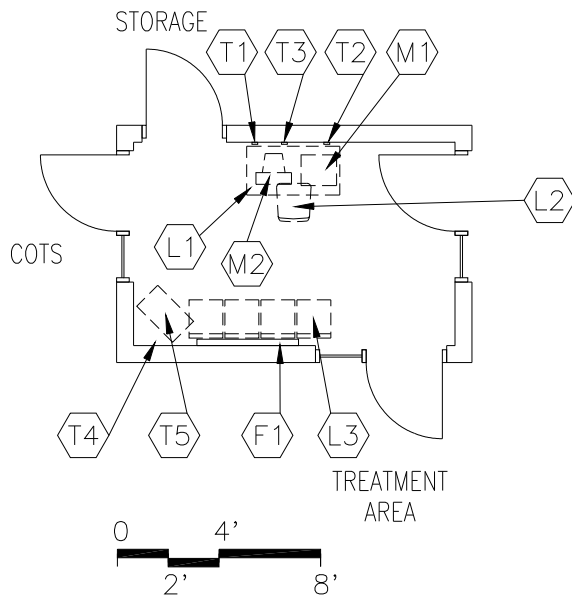
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Carpet	096816	N/A	
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling: (8' high minimum)		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted gypsum wallboard		Supply/return air system	
over metal studs	092116 / 099123	Independent temperature control	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 Desk		Duplex receptacles	
L2 2 visitor chairs		TVSS protected quad receptacle	
L3 Computer desk return		adjacent to each data and	
L4 Adjustable height bookshelves (12 LF)		video port	
L5 2, four-drawer file cabinets		Single-level switching	
L6 Ergonomic task chair		Fluorescent lighting	
Wastebasket		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port near workstation	
		T3 Data port for printer	
		T4 Data port for fax	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Computer	
		M2 Printer	
		M3 Fax	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.

OFFICE / WAITING AREA – (Combine w/ treatment area)

**Health Suite
M-AD-17**



GOAL:

- Administrative and waiting area for health services

PROGRAM ACTIVITIES:

- Waiting area for students being picked up by parent or guardian
- Administrative activities by school nurse

SPATIAL RELATIONSHIPS:

- Adjacent and access to Treatment Area
- Adjacent and access to Cots
- Adjacent and access to Storage
- First space one enters in Health Suite

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Visual access to Welcome Center or Main Corridor
- Visual and Auditory privacy

CAPACITY:

- Staff
- Students
- Parents
- Visitors

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Treatment Area (M-AD-18)
- Cots (M-AD-19)
- Storage (M-AD-20)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

OFFICE / WAITING AREA

Health Suite

M-AD-17

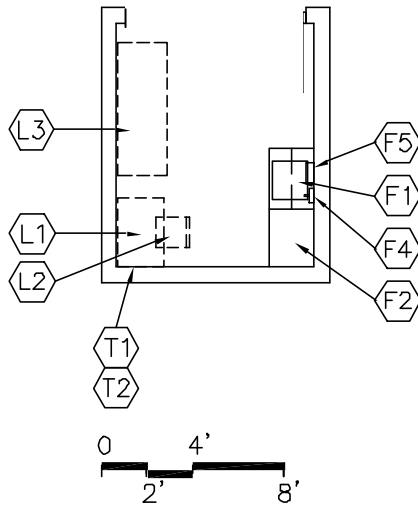
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Vinyl composition tile	096519	F1 Tack board (4 LF)	101100
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling: (8' high minimum)		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted gypsum wallboard		Supply/return air system	
over metal studs	092116 / 099123		
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 Desk		Duplex receptacles	
L2 Ergonomic chair		TVSS protected quad receptacle	
L3 4 visitor chairs		adjacent to each data port	
Wastebasket		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port for printer	
		T3 Data port near workstation	
		T4 Cable/MATV	
		T5 Video port, monitor, VCR/DVD,	
		and brackets	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Printer	
		M2 Computer	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.

TREATMENT AREA -

**Health Suite
M-AD-18**



GOAL:

- To provide school-based health services

PROGRAM ACTIVITIES:

- First aid
- Consultation with students
- Health screening
- Administrative paperwork
- Medical treatments
- Medication administration
- Student resting while awaiting pick-up by parent or guardian

SPATIAL RELATIONSHIPS:

- Open to Office/Waiting Room

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Stain-resistant floor covering
- Sink with hot and cold water
- Adequate ventilation
- Electrical outlets for equipment
- Locate away from Administrative Workroom; copier machine interferes with hearing screening
- Auditory and Visual privacy
- Visual access to Office/Waiting Room

CAPACITY:

- 1 staff member/volunteer/nurse
- Students

SIZE:

- 80 SF

ANCILLARY SPACES:

- Office/Waiting Area (M-AD-17)

NOTES:

- Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

TREATMENT AREA - Health Suite M-AD-18

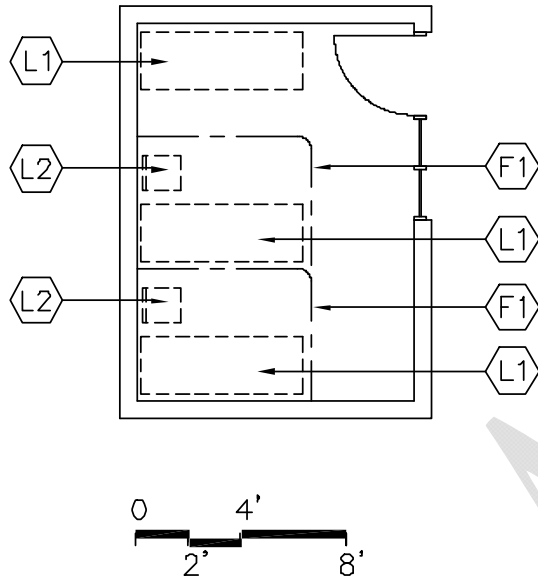
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Vinyl composition tile	096519	F1 Casework:	
		Base/wall cabinets	123200
Base:		F2 Casework:	
Resilient base	096519	Tall storage	123200
Ceiling: (8' high minimum)		F3 Window blinds	122123
Suspended, acoustical	095113	F4 Soap dispenser	102800
		F5 Towel dispenser	102800
Walls:		<u>Fire Suppression:</u>	Div. 21
Painted gypsum wallboard		Fire suppression system	
over metal studs	092116 / 099123		
<u>Loose Furnishings:</u>		<u>Plumbing:</u>	Div. 22
L1 Small table		Plumbing connections	
L2 Chair		Sink	
L3 Cot or exam table		<u>HVAC:</u>	Div. 23
Wastebasket		Supply/return air system	
		<u>Electrical:</u>	Div. 26
		Duplex receptacles	
		TVSS protected quad receptacle	
		adjacent to each data port	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

3. Finishes/Features: Refer to Chapter 8 for specification references.
4. Refer to the Educational Specifications – Technology, Section 1240.

COTS

M-AD-19



GOAL:

- To provide a place for students and staff to lie down when feeling ill

PROGRAM ACTIVITY:

- A resting place for students and staff to lie down when feeling ill

SPATIAL RELATIONSHIP:

- Located within Health Suite
- Adjacent and access to Office/Waiting Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting / dimmable lighting
- Environmental sound control:
Wall minimum: STC 45
Ceiling minimum: CAC 35
- Stain-resistant floor covering
- Adequate ventilation
- Auditory and visual privacy
- Visual access to Office/Waiting Area

CAPACITY:

- Staff
- Students

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Office/Waiting Area (M-AD-17)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Provide a separate cot area for both boys and girls.

Educational Specifications for Brookland Middle School

COTS Health Suite M-AD-19

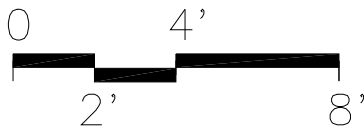
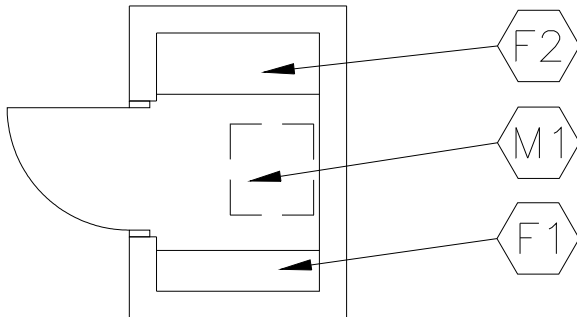
	Spec. Ref.#		Spec. Ref.#
<u>Finishes</u> ¹ :		<u>Features</u> ¹ :	
Flooring:		Fixed Equipment:	
Vinyl composition tile	096519	F1 Cubicle curtains	102123
Base:		<u>Fire Suppression</u> :	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling: (8' high minimum)		<u>Plumbing</u> :	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC</u> :	Div. 23
Painted gypsum wallboard		Supply/return air system	
over metal studs	092116 / 099123		
<u>Loose Furnishings</u> :		<u>Electrical</u> :	Div. 26
L1 2 cots		Duplex receptacles	
L2 2 chairs		Single-level switching	
Wastebasket		Fluorescent lighting	
		with dimmers	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications</u> :	
		N/A	
		<u>Electronic Safety and Security</u> :	Div. 28
		Life safety devices per code	
		<u>Miscellaneous</u> :	
		N/A	

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

STORAGE

M-AD-20



GOAL:

- To provide storage for medical supplies and equipment

PROGRAM ACTIVITY:

- Storing equipment, and supplies

SPATIAL RELATIONSHIP:

- Adjacent and access to Office/Waiting

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Security of equipment, supplies, and medicines
- Security of door

CAPACITY:

- Staff

SIZE:

- 25 SF

ANCILLARY SPACES:

- Office/Waiting Area (M-AD-17)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

STORAGE Health Suite M-AD-20

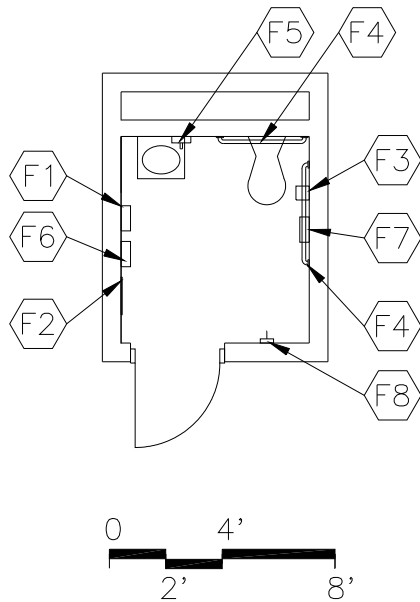
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Storage shelving:	105613
		12" deep	
Base:		F2 Storage shelving:	105613
Resilient base	096519	18" deep	
Ceiling: (8' high minimum)			
Suspended, acoustical	095113	<u>Fire Suppression:</u>	Div. 21
Walls:		Fire suppression system	
Painted concrete masonry units			
	042000 / 099123	<u>Plumbing:</u> Div. 22	
		Plumbing connections	
		Hook-up for refrigerator ice maker	
<u>Loose Furnishings:</u>			
N/A		<u>HVAC:</u> Div. 23	
		Supply/return air system	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		M1 Refrigerator (lockable) with ice maker	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

TOILET

**Health Suite
M-AD-21**



PROGRAM ACTIVITIES:

- Personal and health needs for the health suite
- Changing clothing

SPATIAL RELATIONSHIP:

- Located within Health Suite

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 40
Ceiling minimum: CAC 35
- Moisture- and stain-resistant finishes
- Adequate exhaust/ventilation

CAPACITY:

- Students
- Staff

SIZE:

- 50 SF

ANCILLARY SPACE:

N/A

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

TOILET Health Suite M-AD-21

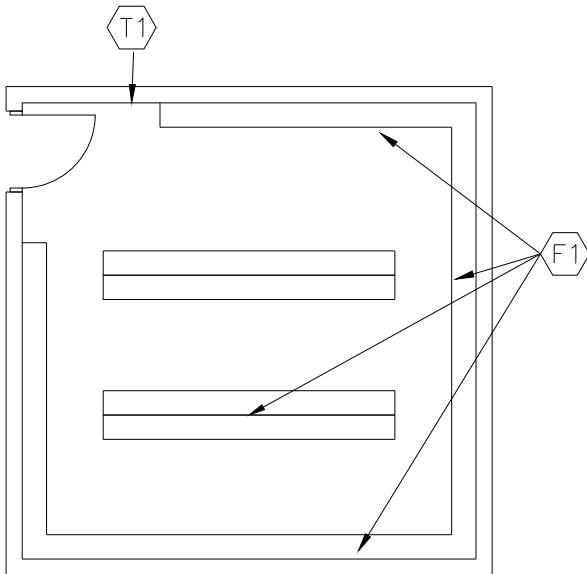
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Ceramic tile	093013	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
Base:		F3 Toilet tissue holder	102800
Ceramic tile base	093013	F4 36" and 42" grab bars	102800
		F5 Soap dispenser	102800
Ceiling:		F6 Sanitary disposal	102800
Suspended, acoustical	095113	F7 Sanitary dispenser	102800
		F8 Coat hook	102800
Walls:			
Painted concrete masonry units		<u>Fire Suppression:</u>	Div. 21
042000 / 099123		Fire suppression system	
<u>Loose Furnishings:</u>		<u>Plumbing:</u> Div. 22	
N/A		Wall-mounted water closet	
		Wall-mounted lavatory	
		Plumbing connections	
		Floor drain	
		<u>HVAC:</u> Div. 23	
		Exhaust air system	
		Supplemental heat as required	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

BOOK STORAGE

M-AD-23



GOAL:

- To provide secure storage for textbooks

PROGRAM ACTIVITY:

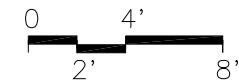
- Storage of textbooks

SPATIAL RELATIONSHIP:

- Near Administration

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets



CAPACITY:

- Staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

NOTES:

Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

BOOK STORAGE Administrative Support M-AD-23

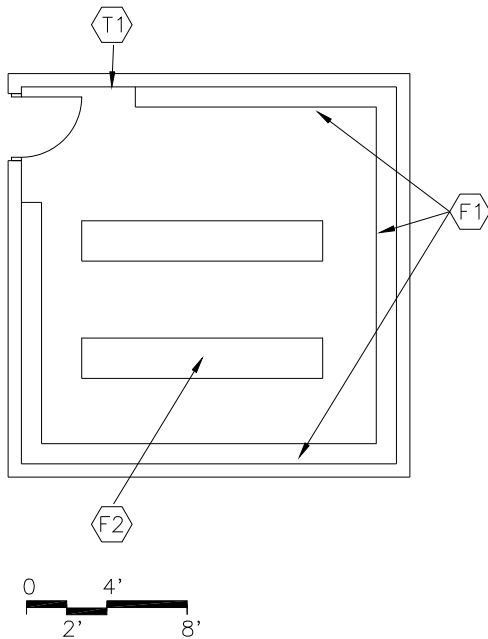
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Vinyl composition tile	096519	F1 Storage shelving:	
		12" deep	105613
Base:			
Resilient base	096519		
Ceiling (8' high minimum):		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units		N/A	
	042000 / 099123		
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
N/A		Supply/return air system	
		<u>Electrical:</u>	Div. 26
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		TVSS protected quad receptacle	
		adjacent to each data port	
		<u>Communications:</u>	Div. 27
		T1 Data port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

SUPPLY STORAGE

M-AD-24



GOAL:

- To provide secure storage for supplies

PROGRAM ACTIVITY:

- Storage of office and teaching supplies

SPATIAL RELATIONSHIP:

- Near Administration

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets

CAPACITY:

- Staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

NOTES:

Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

SUPPLY STORAGE Administrative Support M-AD-24

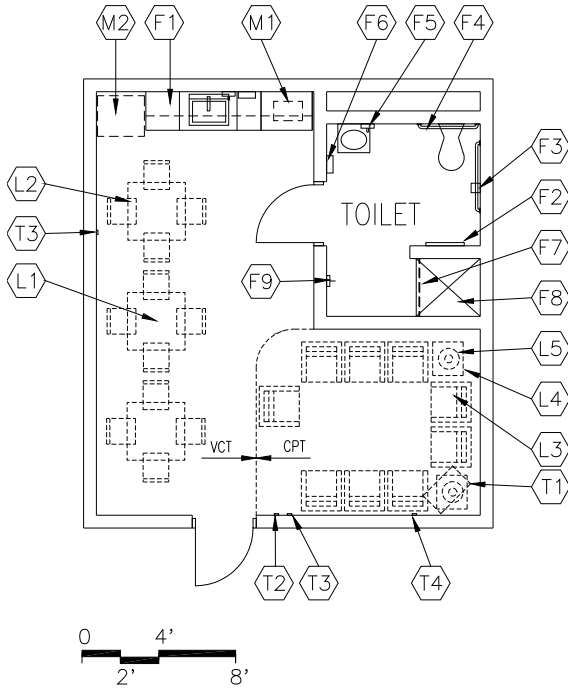
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Vinyl composition tile	096519	F1 Storage shelving:	
		12" deep	105613
Base:		F2 Storage shelving:	
Resilient base	096519	24" deep	105613
Ceiling (8' high minimum):		<u>Fire Suppression:</u>	Div. 21
Suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u>	
Painted concrete masonry units		N/A	
	042000 / 099123		
<u>Loose Furnishings:</u>		<u>HVAC:</u>	Div. 23
N/A		Supply/return air system	
		<u>Electrical:</u>	Div. 26
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	Div. 27
		T1 Data port	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.

STAFF LOUNGE

M-AD-25



GOAL:

- To provide an area for staff dining and relaxing

PROGRAM ACTIVITIES:

- Staff dining
- Relaxation

SPATIAL RELATIONSHIPS:

- Near Classrooms
- Access to Main Corridor
- May be divided among floors

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting, appropriate to task
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 40
- Electrical outlet for equipment
- Windows to provide natural light, desirable

CAPACITY:

- Staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

N/A

NOTES:

- Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

STAFF LOUNGE Administrative Support M-AD-25

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Vinyl composition tile	096519	F1 Casework:	
Carpet	096816	Base/wall cabinets	123200
		F2 24" X 60" mirror	102800
Base:		F3 Toilet tissue dispenser	102800
Resilient base	096519	F4 36" and 42" grab bars	102800
		F5 Soap dispenser	102800
Ceiling (8' high minimum):		F6 Towel dispenser	102800
Suspended, acoustical	095113	F7 Shower curtain with rod	102800
		F8 ADA shower accessories	102800
Walls:		F9 Coat hook	102800
Painted gypsum wallboard over metal studs			
<u>Loose Furnishings:</u>		<u>Fire Suppression:</u>	Div. 21
L1 3 square tables		Fire suppression system	
L2 10-15 chairs			
L3 8-10 lounge chairs		<u>Plumbing:</u>	Div. 22
L4 2 end tables		Plumbing connections	
L5 2 table lamps		Hook-ups for ice maker	
Wastebasket		Floor drains - in restroom and shower	
<u>Communications²:</u>	Div. 27	<u>HVAC:</u>	Div. 23
T1 Video port, monitor, VCR/DVD, and brackets		Supply/return air system	
T2 Voice port and phone		Exhaust air system	
T3 2 data ports		Independent temperature control	
T4 Cable/MATV port			
<u>Miscellaneous:</u>		<u>Electrical:</u>	Div. 26
M1 2 microwaves		Duplex receptacles	
M2 Refrigerator with ice maker		TVSS protected quad receptacle adjacent to each data and video port	
		Multilevel switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Technology, Section 1240.

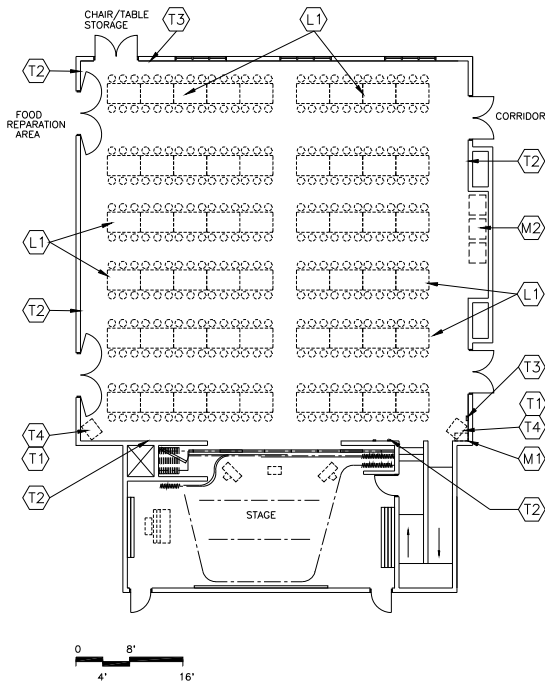
Educational Specifications for Brookland Middle School

Student Dining & Food Service Space Requirements

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Student Dining Area/Multi-purpose	1	2,750 <u>3,000</u>	2,750 <u>3,000</u>	
Stage	1	850	850	Dance floor
Chair, Table Storage	1	250	250	
Food Prep	1	700	700	
Serving area	1	400	400	
Dry Storage	1	200	200	
Freezer & Cooler	1	300	300	
Ware Washing	1	200	200	
Toilet/Locker Room	1	100	100	
Paper and carts storage	1	200	200	
Food Service Office	1	100	100	
Total			6,300 <u>6,200</u>	

STUDENT DINING AREA / MULTIPURPOSE

M-SD-1



CAPACITY:

- 1/3 of students per lunch period
- 1/3 of staff members per lunch
- Community (after hours)

SIZE:

- Varies, see table

ANCILLARY SPACES

- Chair/Table Storage (M-SD-2)
- Stage (M-SD-3)
- Food Preparation Area (M-SD-4A)

GOALS:

- To provide a pleasant atmosphere for students to eat meals
- To provide a flexible meeting space for groups if needed

PROGRAM ACTIVITIES:

- Student dining
- School and community programs, meetings, and activities

SPATIAL RELATIONSHIPS:

- Adjacent and access to Food Preparation Area
- Adjacent and access to Stage
- Adjacent and access to Chair/Table Storage
- Centrally located to office area, gymnasium, classrooms, and media center
- Near parking and entry to building
- Consider vending machine locations in room layout

ENVIRONMENTAL CONSIDERATIONS:

- Lighting appropriate to tasks
- Adequate ventilation
- Electrical outlets for equipment along perimeter walls and on columns
- Environmental sound control:
 - Wall minimum: STC 45
 - Ceiling minimum: CAC 35
- Higher than normal ceiling height
- Cleanable building surfaces
- Windows to provide ample natural light
- Good sight lines to all areas of the room for supervision
- Window treatment to darken room for AV presentation
- Access to drinking fountain

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Typically, students are seated in cafeteria before entering serving line. Students are called by table to serving line

Educational Specifications for Brookland Middle School

STUDENT DINING AREA / MULTIPURPOSE M-SD-1

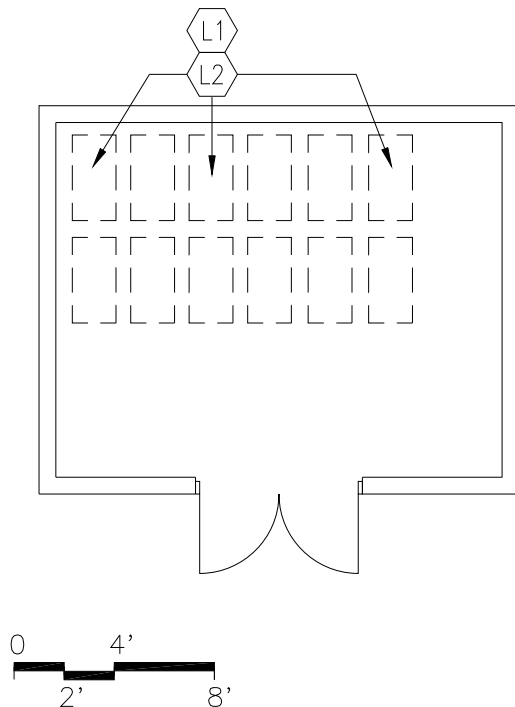
		Spec. Ref.#			Spec. Ref.#
<u>Finishes¹:</u>			<u>Features¹:</u>		
Flooring:			N/A		
Vinyl composition	Quartz tile	09665189			
Base:			<u>Fire Suppression:</u>		Div. 21
Resilient base		096519	Fire suppression system		
Ceiling:			<u>Plumbing:</u>		Div. 22
Suspended, acoustical		095113	Electric water cooler		
Walls:			<u>HVAC:</u>		Div. 23
Painted concrete masonry units		042000 / 099123	Supply/return air system		
Acoustical wall treatment		098400	Independent temperature control		
<u>Loose Furnishings:</u>			Air conditioning		
L1 Tables and seating to accommodate 1/3 of school capacity (185 for lunch/265 per assembly)			<u>Electrical:</u>		Div. 26
			Duplex receptacles		
			Vending Machines		
			TVSS protected quad receptacles adjacent to each data and video port		
			Multilevel switching		
			Fluorescent lighting		
			Illumination level: See Table 7600-16		
			Clock		
			Student dining sound system ²		
			Central sound system		
			<u>Communications³:</u>		Div. 27
			T1 2 cable/MATV ports (minimum)		
			T2 4 data ports		
			T3 Voice port and phone		
			T4 2 video ports, monitors, VCRs/DVDs, and brackets		
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Student dining sound system is to be used in conjunction with the Stage.
3. Refer to the Educational Specifications – Communications Technology, Section 1240.

CHAIR / TABLE STORAGE

M-SD-2



GOAL:

- To provide convenient storage of dining chairs and tables to be used for meetings and performances

PROGRAM ACTIVITY:

- Storage

SPATIAL RELATIONSHIPS:

- Adjacent and access to Student Dining Area/Multipurpose

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building surfaces
- Accessibility for moving furniture in and out

CAPACITY:
N/A

SIZE:
• Varies, see table

ANCILLARY SPACES:
• Student Dining Area/Multipurpose (M-SD-1)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

CHAIR / TABLE STORAGE M-SD-2

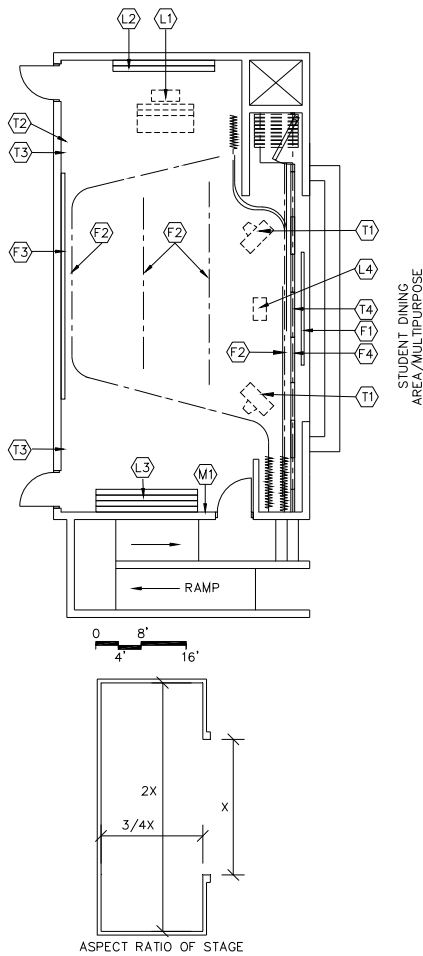
		Spec. Ref.#	Features ¹ :	Spec. Ref.#
<u>Finishes¹:</u>			<u>Fixed Equipment:</u>	
Flooring:			N/A	
Vinyl compositionResilient tile flooring		096519		
Base:			<u>Fire Suppression:</u>	Div. 21
Resilient base		096519	Fire suppression system	
Ceiling:			<u>Plumbing:</u>	
Suspended, acoustical		095113	N/A	
Walls:			<u>HVAC:</u>	Div. 23
Painted concrete masonry units		042000 / 099123	Supply/return air system	
<u>Loose Furnishings:</u>			<u>Electrical:</u>	Div. 26
L1 Chairs			Duplex receptacles	
L2 Chair dollies			Single-level switching	
			Fluorescent lighting	
			Illumination level: See Table 7600-	
			16	
			<u>Communications:</u>	
			N/A	
			<u>Electronic Safety and Security:</u>	
			N/A	
			<u>Miscellaneous:</u>	
			N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

STAGE

M-SD-3



GOAL:

- To provide flexibility for use of facility

PROGRAM ACTIVITY:

- School and community programs and activities

SPATIAL RELATIONSHIPS:

- Adjacent and access to Student Dining Area/Multipurpose
- If an auditorium is provided, the Stage will be provided with the Performing Arts Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Area should be raised slightly above student dining floor
- Provide handicapped accessibility (ADA)
- Electrical outlets for equipment

CAPACITY:

- Students
- Teachers
- Administrators

SIZE:

- 850 SF

ANCILLARY SPACE:

- Student Dining Area/Multipurpose (M-SD-1)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

STAGE M-SD-3

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Vinyl composition tile		F1 Motorized projection screen	115213
Wood strip flooring for athletic applications	096466519	F2 Curtain	116143
		F3 Mirror	088000
		F4 Operable partition	102226
Base:			
Resilient base	096519	<u>Fire Suppression:</u>	Div. 21
		Fire suppression system	
Ceiling:		<u>Plumbing:</u>	
Exposed structure, painted	099123	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted concrete masonry units	042000 / 099123	Supply/return air system	Temperature control with student dining area
		Air conditioning	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 Student piano		Duplex receptacles	
L2 Portable dance barres		Single-level switching	
L3 Mobile folding risers		TVSS protected duplex receptacle	
L4 Podium		adjacent to each data and video port	
<u>Communications²</u>	Div. 27	Fluorescent lighting	
T1 2 video port, monitor, VCR/DVD, and bracket		Illumination level: See Table 7600-16	
T2 Voice port and phone		Means of egress lighting per code	
T3 2 data ports on stage		Student dining sound system	
T4 Data port in center of stage apron		Central sound system	
<u>Miscellaneous:</u>		1 microphone jack to be located in apron at front of stage	
M1 Handheld and lavalier microphones		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

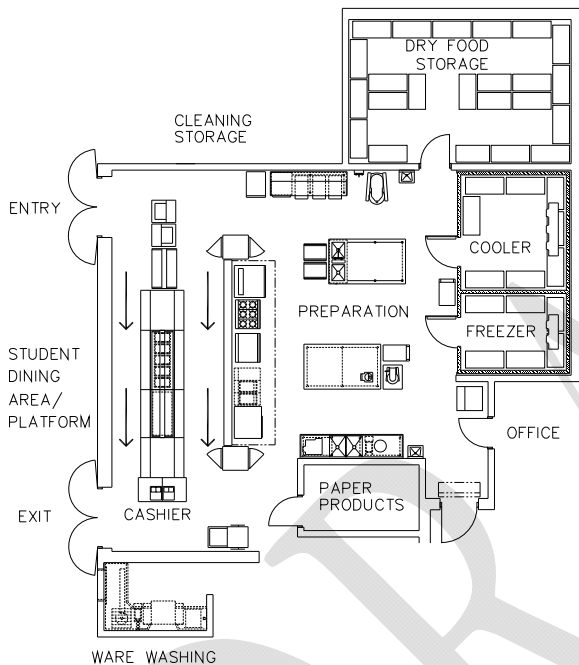
KITCHEN

M-SD-4

This space consists of various areas:

- Food Preparation Area
- Serving Area
- Dry Food Storage
- Freezer and Cooler
- Ware Washing
- Paper Products Storage

A space plate follows for each of these areas.



CAPACITY:

- Students
- Staff
- Community

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Student Dining Area/Multipurpose (M-SD-1)

GOAL:

- To provide an area for the preparation of student and staff meals

PROGRAM ACTIVITIES:

- Prepare food
- Serve food
- Storage
- Point of sale

SPATIAL RELATIONSHIPS:

- Near loading dock to permit semi-tractor trailers access to docking and storage areas (site specific)
- Adjacent and access to Student Dining Area/Multipurpose
- Near dumpsters
- Food court/cafeteria serving arrangement

ENVIRONMENTAL CONSIDERATIONS:

- Food service department, public health
- Quarry tile flooring
- Proper ventilation of space to remove cooking odors
- Cleanable building surfaces

NOTES:

1. This is an example of a kitchen. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools' Food Service Department.

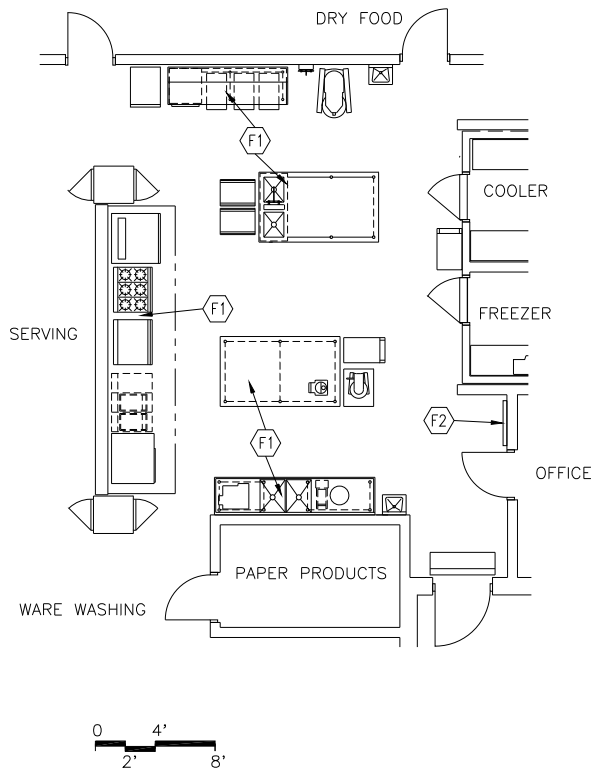
Educational Specifications for Brookland Middle School

KITCHEN M-SD-4

	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		<u>Fire Suppression:</u>	Div. 21
Quarry tile	093000	Fire suppression system	
Base:		<u>Plumbing:</u>	Div. 22
Quarry tile base	093000	Connections to food service equipment	
Ceiling:		Plumbing and gas connections	
Cleanable, suspended, acoustical	095113	Hand washing lavatory	
Walls:		Floor drains	
Epoxy-painted concrete masonry units		<u>HVAC:</u>	Div. 23
042000 / 099123		Supply/return air system	
<u>Features</u> (Specifications from DCPS):		Independent temperature control	
<u>Equipment:</u>		Kitchen canopy exhaust system	
• Pot washing sinks		Air conditioning	
• Food Preparation Sinks		<u>Electrical:</u>	Div. 26
• Hand Sinks		Single-level switching	
• Work Tables		Fluorescent lighting	
• Warming/Holding/Proofing Cabinets		Illumination level: See Table 7600-16	
• Refrigeration - Reach-ins		Central sound system	
• Storage shelving		Duplex receptacles along permanent perimeter walls	
• Mop washing sink		Electrical supply to support equipment specified	
• Exhaust Hood Systems, including Fire Suppression		Clock	
• Convection oven ,		Circuits for portable generator	
• Convection steamer		TVSS protected quad receptacle adjacent to data and video ports	
• Range, with oven		<u>Communications²:</u>	Div. 27
• Tilt Skillet		T1 1 voice port and phone	
• Combination Steamer/Oven		T2 2 data ports at cash registers	
• Pizza Oven, Deck oven or Conveyor		<u>Electronic Safety and Security:</u>	Div. 28
Oven		Life safety devices per code	
• Ware Washing Machine with appropriate accessories (tables, booster heater, disposer, etc.)			

FOOD PREPARATION AREA

M-SD-4A



GOAL:

- To prepare and/or reheat student meals

PROGRAM ACTIVITY:

- Prepare food

SPATIAL RELATIONSHIP:

- Adjacent to Student Dining Area/Multipurpose
- Adjacent and access to Kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Proper ventilation of space to remove cooking odors
- Cleanable building surfaces
- Electrical/plumbing/mechanical connections for food service equipment

CAPACITY:

- Staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Kitchen (M-SD-4)

NOTES:

1. This is an example of a preparation area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools' Food Service Department.

Educational Specifications for Brookland Middle School

FOOD PREPARATION AREA

M-SD-4A

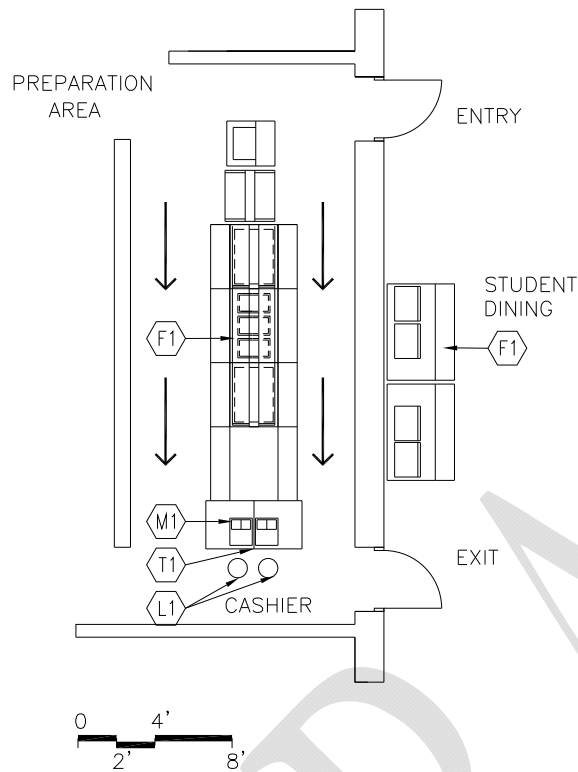
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Quarry tile	093000	F1 Food service equipment	114000
Vinyl composition tile	096519	F2 Tack board (4 LF)	101100
		F3 Storage shelving:	105613
		12" deep (above sink)	
Base:			
Quarry tile base	093000		
Rubber base	096519		
Ceiling:		<u>Fire Suppression:</u>	Div. 21
Cleanable, suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u> Div. 22	
Epoxy-painted concrete masonry		Connections to food service equipment	
units	042000 / 099123	Plumbing and gas connections	
		Hand washing lavatory	
		Floor drains	
<u>Loose Furnishings:</u>		<u>HVAC:</u> Div. 23	
N/A		Supply/return air system	
		Independent temperature control	
		Kitchen canopy exhaust system	
		Air conditioning	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Connections to food service equipment	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

Serving Area

M-SD-4B



CAPACITY:

- Students
- Staff
- Community

ANCILLARY SPACES:

- Student Dining Area/Multipurpose (M-SD-1)
- Kitchen (M-SD-4)

GOAL:

- To provide serving station for those seeking meals or snacks

PROGRAM ACTIVITY:

- Serve food

SPATIAL RELATIONSHIPS:

- Within Student Dining Area/Multipurpose or Food Preparation Area
- Beginning of serving line should be near entry door of Students Dining Area /Multipurpose
- Adjacent and access to Kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building services
- Electrical connections for food service equipment
- Queuing for serving should not conflict with tray return to dishwashing area
- Single or double sided serving line(s)

DESIGN GUIDE

- Four 'food court' serving lines
- All lines have drinks and misc items

Sample Lines and equipment needs below:

- Sandwich Deli and Salads: Equipment consists of a Built-in Heated Shelf, Self-Service Sneeze Guard with Overshelf, and Hanging Decorative Heat Lamps. Size of equipment and number of heat lamps are determined by space available. Substitution of Two-Tier Merchandising Warmer is available in place of the heated shelf. A Drop-In Self-Contained Refrigerated Cold Pan is included for cold items.
- Hot Meals: Equipment consists of a Two-Tier Merchandising Warmer. Size of equipment is determined by space available. Available with slant or horizontal shelves. Slant shelves are provided when back loading is available. Horizontal shelves are provided when units can only be loaded from the front. A Drop-In Refrigerated Cold Pan may also be included for side items.
- Self Serve Station

NOTES:

1. This is an example of a serving area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools' Food Service Department.
2. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

SERVING AREA M-SD-4B

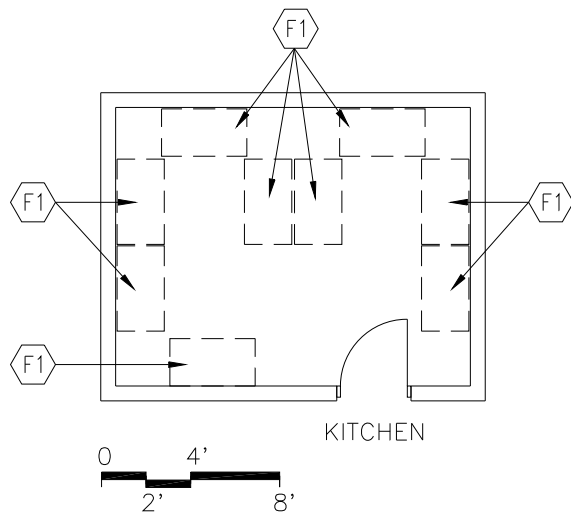
	Spec. Ref.#	Features ¹ :	Spec. Ref.#
<u>Finishes¹:</u>		<u>Fixed Equipment:</u>	
Flooring:		F1 Food service equipment	114000
Quarry tile	093000		
Vinyl composition tile	096519		
Base:		<u>Fire Suppression:</u>	Div. 21
Quarry tile base	093000	Fire suppression system	
Resilient base	096519		
Ceiling:		<u>Plumbing:</u> Div. 22	
Cleanable, suspended, acoustical	095113	Connections to food service equipment	
		Floor drains	
Walls:		<u>HVAC:</u> Div. 23	
Epoxy-painted concrete masonry units	042000 / 099123	Supply/return air system	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	
L1 2 stools		Duplex receptacles	
		Connections to food service equipment	
		Duplex receptacle at each cash register	
		TVSS protected quad receptacle adjacent to each data port	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 2 data ports at cash registers	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 2 cash registers	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.
2. Refer to the Educational Specifications – Communications Technology, Section 1240.

DRY FOOD STORAGE

M-SD-4C



GOAL:

- To provide an area for food storage

PROGRAM ACTIVITY:

- Storage

SPATIAL RELATIONSHIPS:

- Adjacent and access to Kitchen
- Near the Supply Storage/Receiving

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building surfaces
- Adequate exhaust/ventilation

CAPACITY:
N/A

SIZE:
• Varies, see table

ANCILLARY SPACES:
• Kitchen (M-SD-4)

NOTES:

1. This is an example of a dry food storage area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools' Food Service Department.

Educational Specifications for Brookland Middle School

DRY FOOD STORAGE M-SD-4C

CHAPTER 5:1 MIDDLE SCHOOLS

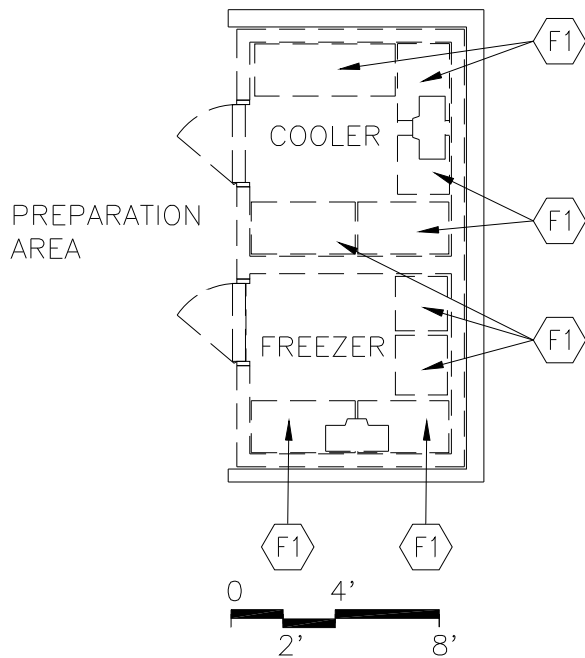
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Quarry tile	093000	F1 Rust-resistant 24" deep shelving	
Vinyl composition tile	096519	and dunnage racks	114000
Base:		<u>Fire Suppression:</u>	Div. 21
Quarry tile base	093000	Fire suppression system	
Resilient base	096519		
Ceiling:		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Epoxy-painted concrete masonry		Supply/return air system	
units	042000 / 099123		
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
N/A		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

FREEZER AND COOLER

M-SD-4D



GOAL:

- To provide space for manufactured freezer and refrigerator units to store food for short periods of time

PROGRAM ACTIVITY:

- Storage
- Walk-in type

SPATIAL RELATIONSHIPS:

- Adjacent and access to Kitchen
- Near the Supply Storage/Receiving

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Ventilation for refrigeration equipment
- Cleanable building surfaces
- Floor to be flush with adjacent kitchen floor
- Electrical service for refrigeration equipment

CAPACITY:

- Food service staff

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Kitchen (M-SD-4)

NOTES:

1. This is an example of a freezer and cooler. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools' Food Service Department.
2. Generally, deliveries occur once a week.

Educational Specifications for Brookland Middle School

FREEZER & COOLER

M-SD-4D

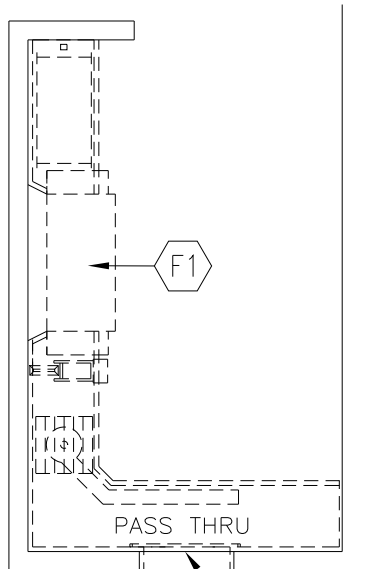
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Manufactured insulated panel	Quarry tile0931	F1 Rust-resistant 24" deep shelving	
Non-skid surface		and dunnage racks	114000
Base:		<u>Fire Suppression:</u>	Div. 21
Manufactured insulated panel	114000	Fire suppression system	
Ceiling:		<u>Plumbing:</u>	
Manufactured insulated panel	114000	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Manufactured insulated panel	114000	Exhaust air system for compressors	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
N/A		Electrical connections to freezer/cooler	
		refrigeration equipment	
		Single-level switching	
		Incandescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

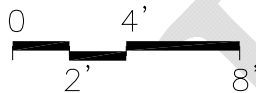
1. Finishes/Features: Refer to Chapter 8 for specification references.

WARE WASHING

M-SD-4E



STUDENT DINING AREA/
MULTIPURPOSE



CAPACITY:
N/A

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Kitchen (M-SD-4)

GOAL:

- To clean dishes, trays, and cutlery

PROGRAM ACTIVITY:

- Space and equipment to scrape, wash, dry, and store serving trays and utensils

SPATIAL RELATIONSHIPS:

- Adjacent and access to Student Dining Area/Multipurpose
- Adjacent and access to Kitchen
- Pass-through into Student Dining Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Proper ventilation of space to remove steam and condensation
- Cleanable building surfaces

NOTES:

1. This is an example of a ware washing area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools Food Service Department.

Educational Specifications for Brookland Middle School

WARE WASHING

M-SD-4E

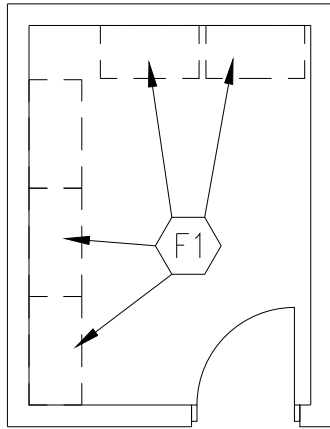
		Spec. Ref.#			Spec. Ref.#
<u>Finishes¹:</u>			<u>Features¹:</u>		
<u>Flooring:</u>			<u>Fixed Equipment:</u>		
Quarry tile	093000	Vinyl composition tile	F1	Food service equipment	114000
			F2	Overhead coiling door	083300
<u>Base:</u>			<u>Fire Suppression:</u>		Div. 21
Quarry tile base	093000		Fire suppression system		
Resilient base	096519				
<u>Ceiling:</u>			<u>Plumbing:</u>		Div. 22
Cleanable, suspended, acoustical	095113		Lavatory		
<u>Walls:</u>			Connections to food service equipment		
Epoxy-painted concrete masonry units	042000 / 099123		Floor drains		
<u>Loose Furnishings:</u>			<u>HVAC:</u>		Div. 23
N/A			Supply/return air system		
			Independent temperature control		
			Exhaust hood system		
			<u>Electrical:</u>		Div. 26
			Duplex receptacles		
			Connections to food service equipment		
			Single-level switching		
			Fluorescent lighting		
			Illumination level: See Table 7600-16		
			Central sound system		
			<u>Communications:</u>		
			N/A		
			<u>Electronic Safety and Security:</u>		Div. 28
			Life safety devices per code		
			<u>Miscellaneous:</u>		
			N/A		

NOTES:

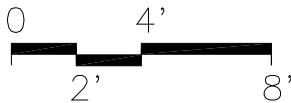
1. Finishes/Features: Refer to Chapter 8 for specification references.

PAPER PRODUCTS STORAGE

M-SD-4F



KITCHEN



GOAL:

- To provide storage for paper products used in preparing and serving meals

PROGRAM ACTIVITY:

- Lockable space

SPATIAL RELATIONSHIP:

- Adjacent and access to Kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Adequate exhaust/ventilation
- Cleanable building surfaces

CAPACITY:
N/A

SIZE:

- Varies, see table

ANCILLARY SPACES:

- Kitchen (M-SD-4)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

PAPER PRODUCTS STORAGE M-SD-4F

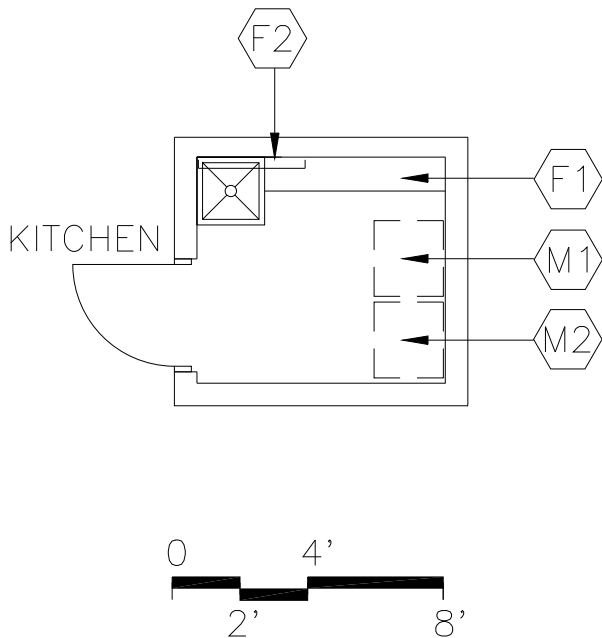
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Quarry tile	093000	F1 Rust-resistant shelving	114000
Vinyl compositionResilient tile flooring	096519		
Base:		<u>Fire Suppression:</u>	Div. 21
Quarry tile base	093000	Fire suppression system	
Resilient base	096519		
Ceiling:		<u>Plumbing:</u>	
Cleanable, suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Epoxy-painted concrete masonry units	042000 / 099123	Exhaust air system	
		Supply/return air system	
		Independent temperature control	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
N/A		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	
		N/A	
		<u>Miscellaneous:</u>	
		N/A	

NOTES:

2. Finishes/Features: Refer to Chapter 8 for specification references.

CLEANING STORAGE

M-SD-5



GOAL:

- To store chemicals used in cleaning and maintaining kitchen

PROGRAM ACTIVITY:

- Storing chemicals and equipment

SPATIAL RELATIONSHIP:

- Located within Kitchen Area

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Cleanable building surfaces
- Sensors for spilled chemicals
- Adequate exhaust/ventilation

CAPACITY:

- Food service staff

SIZE:

- 50 SF

ANCILLARY SPACES:

- Kitchen (M-SD-4)

NOTES:

2. This is an example of a cleaning storage area. Food service equipment will vary from school to school; confirm requirements with District of Columbia Public Schools' Food Service Department.
3. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

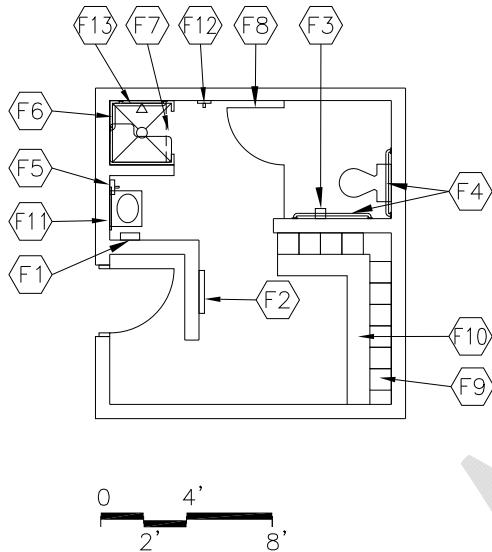
CLEANING STORAGE		M-SD-5	
	Spec. Ref.#		Spec. Ref.#
<u>Finishes¹:</u>		<u>Features¹:</u>	
Flooring:		Fixed Equipment:	
Quarry tile	093000	F1 Rust-resistant shelving for	
Vinyl composition tile	096519	chemicals	114000
		F2 Mop rack	102800
Base:			
Quarry tile base	093000		
Resilient base	096519		
Ceiling:		<u>Fire Suppression:</u>	Div. 21
Cleanable, suspended, acoustical	095113	Fire suppression system	
Walls:		<u>Plumbing:</u> Div. 22	
Epoxy-painted concrete masonry units	042000 / 099123	Plumbing connections	
		Service sink	
		Connections for washer	
		Floor drain	
<u>Loose Furnishings:</u>		<u>HVAC:</u> Div. 23	
N/A		Exhaust air system	
		Supply/return air system	
		Independent temperature control	
		Outside vent for dryer	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Washer and dryer connections	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Washer	
		M2 Dryer	

NOTES:

3. Finishes/Features: Refer to Chapter 8 for specification references.

TOILET / SHOWER / LOCKER ROOM

M-SD-6



GOAL:

- To provide a safe, clean, and private toilet and changing area for food service staff

PROGRAM ACTIVITIES:

- Changing clothes
- Personal hygiene
- Showering

SPATIAL RELATIONSHIPS:

- Adjacent and access to Kitchen
- Adjacent to Food Service Office
- Provide blind condition at entry

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Handicapped accessible
- Environmental sound control:
Wall minimum: STC 40
Ceiling minimum: CAC 35

CAPACITY:

- Food service staff

SIZE:

- 150 SF

ANCILLARY SPACES:

- Kitchen (M-SD-4)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.
2. Shower shall be designed to accommodate conversion to an accessible shower, if necessary.

Educational Specifications for Brookland Middle School

TOILET / SHOWER / LOCKER ROOM

M-SD- 6

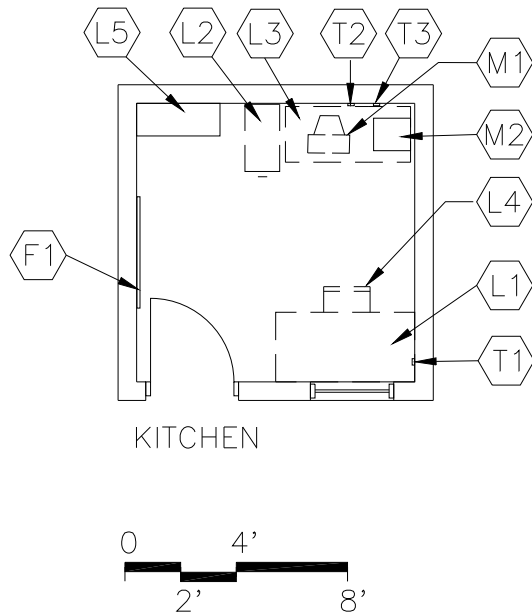
<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Ceramic tile	09300013	F1 Towel dispenser	102800
		F2 24" x 60" mirror	102800
Base:		F3 Toilet tissue holder	102800
Ceramic tile base	093013	F4 36" and 42" grab bars	102800
		F5 Soap dispenser	102800
Ceiling:		F6 ADA shower accessories/seat	102800
Suspended, acoustical	095113	F7 Shower curtain and rod	102800
Shower: Epoxy painted portland cement plaster	092400 / 099123	F8 Toilet partition	102113
		F9 Lockers:	
		12" wide x 12" deep x 72" high	105113
Walls:		F10 Locker Bench	105113
Shower: Ceramic tile	093013	F11 16" x 24" mirror	102800
Epoxy painted concrete masonry units	042000 / 099123	F12 Towel Hook	102800
		F13 Shower grab bar	102800
<u>Loose Furnishings:</u>		<u>Fire Suppression:</u>	Div. 21
N/A		Fire suppression system	
		<u>Plumbing:</u> Div. 22	
		Wall-mounted water closet	
		Wall-mounted lavatory	
		Plumbing connections	
		ADA shower controls and head	
		Floor drains - in shower and locker area	
		<u>HVAC:</u> Div. 23	
		Exhaust air system	
		Supplemental heat as required	
		<u>Electrical:</u> Div. 26	
		Duplex receptacles	
		Single-level switching	
		Fluorescent lighting	
		Illumination level: See Table 7600-16	
		Central sound system	
		<u>Communications:</u>	
		N/A	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	

NOTES:

1. Finishes/Features: Refer to Chapter 8 for specification references.

FOOD SERVICE OFFICE

M-SD-7



GOAL:

- To provide an area to keep records and conduct business

PROGRAM ACTIVITIES:

- Scheduling
- Staff evaluations/discipline/meetings

SPATIAL RELATIONSHIP:

- Adjacent and access to Kitchen

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Environmental sound control:
Wall minimum: STC 40
Ceiling minimum: CAC 35
- Electrical outlets for equipment
- Visual access to Kitchen

CAPACITY:

- Food service manager
- Food service staff

SIZE:

- 100 SF

ANCILLARY SPACES:

- Kitchen (M-SD-4)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

FOOD SERVICE OFFICE M-SD-7

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Quarry tile	093013	F1 Tack board (4 LF)	101100
Vinyl compositionResilient tile flooring	096519		
Base:		<u>Fire Suppression:</u>	Div. 21
Quarry tile base	093013Resilient base	Fire suppression system	
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted concrete masonry units	042000 / 099123	Supply/return air system	
		Independent temperature control	
<u>Loose Furnishings:</u>		<u>Electrical:</u>	Div. 26
L1 Desk		Duplex receptacles	
L2 Four-drawer file cabinet		TVSS protected quad receptacle	
L3 Computer workstation		adjacent to data and video port	
L4 Ergonomic task chair		Single-level switching	
L5 Adjustable height bookshelves (12 LF)		Fluorescent lighting	
Wastebasket		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 Voice port and phone	
		T2 Data port near workstation	
		T3 Data port for printer	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 Computer	
		M2 Printer	

NOTES:

2. Finishes/Features: Refer to Chapter 8 for specification references.
3. Refer to the Educational Specifications – CommunicationsTechnology, Section 1240.

Educational Specifications for Brookland Middle School

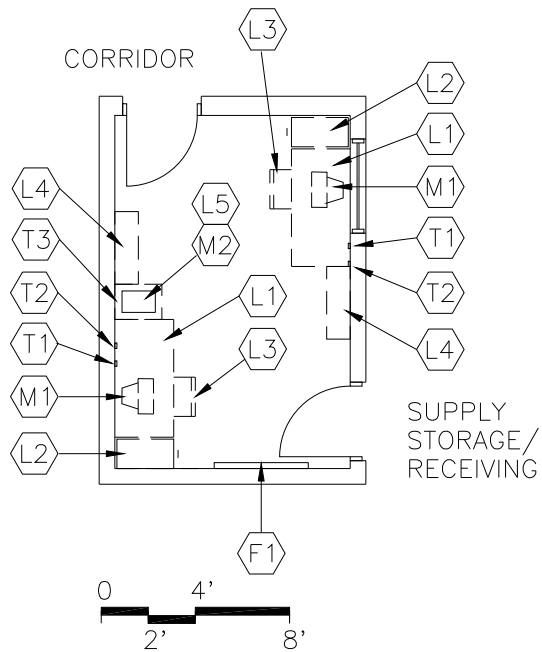
Maintenance & Custodial Space Requirements

Spaces	Suggested			Comments
	Qty.	S.F.	Total	
Receiving and storage	1	450	450	
Facilities Manager	1	80	80	
Custodial Office	1	140	140	
Toilet/Shower/Lockers	2	125	250	
Total			920	

DRAFT

CUSTODIAL OFFICE

M-EC-3



GOAL:

- To provide an area for the maintenance manager, staff, and building engineer to provide supervision of the physical plan

PROGRAM ACTIVITIES:

- Conferences with staff and other visitors
- Telephone calls
- Paperwork

SPATIAL RELATIONSHIPS:

- Adjacent and access to Supply Storage/Receiving
- Access to corridor

ENVIRONMENTAL CONSIDERATIONS:

- Uniform lighting
- Electrical outlets for equipment
- Visual control of supply storage/receiving

CAPACITY:

- Maintenance and custodial staff

SIZE:

- 150 SF

ANCILLARY SPACES:

- Supply Storage/Receiving (M-EC-2)

NOTES:

1. Loose furnishings and features shown represent one of many possible arrangements.

Educational Specifications for Brookland Middle School

CUSTODIAL OFFICE M-EC-3

<u>Finishes¹:</u>	<u>Spec. Ref.#</u>	<u>Features¹:</u>	<u>Spec. Ref.#</u>
Flooring:		Fixed Equipment:	
Resilient tile flooring	096519	F1 Tack board (4 LF)	101100
Base:		<u>Fire Suppression:</u>	Div. 21
Resilient base	096519	Fire suppression system	
Ceiling:		<u>Plumbing:</u>	
Suspended, acoustical	095113	N/A	
Walls:		<u>HVAC:</u>	Div. 23
Painted concrete masonry units	042000 / 099123	Supply/return air system	
<u>Loose Furnishings:</u>		Independent temperature control	
L1 desk		<u>Electrical:</u>	Div. 26
L2 four-drawer file cabinet		Duplex receptacles	
L3 2 ergonomic task chairs		TVSS protected quad receptacle adjacent to data port	
L4 Adjustable height bookshelves (12 LF)		Single-level switching	
L5 Printer table		Fluorescent lighting	
Wastebasket		Illumination level: See Table 7600-16	
		Clock	
		Central sound system	
		<u>Communications²:</u>	Div. 27
		T1 2 data ports	
		T2 2 voice ports and phones	
		T3 Data port for printer	
		<u>Electronic Safety and Security:</u>	Div. 28
		Life safety devices per code	
		<u>Miscellaneous:</u>	
		M1 2 computers	
		M2 Printer	

NOTES:

Finishes/Features: Refer to Chapter 8 for specification references.
Refer to the Educational Specifications – Technology, Section 1240.

Attachment B

[Offeror's Letterhead]

[Insert Date]

District of Columbia Department of General Services
2000 14th Street, NW
Washington, DC 20009

Att'n: Mr. Brian Hanlon
Acting Director

Reference: Request for Proposals
Design-Build Services for Brookland Middle School

On behalf of [INSERT NAME OF BIDDER] (the "Offeror"), I am pleased to submit this proposal in response to the Department of General Services' (the "Department" or "DGS") Request for Proposals (the "RFP") to provide Design-Build Services for Brookland Middle School. The Offeror has reviewed the RFP and the attachments thereto, any addenda thereto, and the proposed Form of Contract (collectively, the "Bid Documents") and has conducted such due diligence and analysis as the Offeror, in its sole judgment, has deemed necessary in order to submit its Proposal in response to the RFP. The Offeror's proposal, the Preconstruction Fee, the Design-Build Fee (as defined in paragraph A), the General Conditions Budget (as defined in paragraph B), and the Hazardous Materials Abatement and Demolition Lump Sum (as defined in paragraph C) are based on the Bid Documents as issued and assume no material alteration of the terms of the Bid Documents. (Collectively, the proposal, the Preconstruction Fee, the Design-Build Fee, the General Conditions Budget and the Hazardous Materials Abatement and Demolition Lump Sum are referred to as the "Offeror's Bid".)

The Offeror's Bid is as follows:

A. The Preconstruction Fee is: \$ _____

The Design-Build Fee is: \$ _____

The Offeror acknowledges and understands that the Preconstruction Fee, and the Design-Build Fee are firm, fixed prices and other than as permitted in the Form of Contract will not be subject to further adjustment. The Offeror also acknowledges that ten (10%) of the Design-Build Fee is at-risk, and the selected Offeror will only be entitled to such amount as set forth in the Form of Contract.

B. The estimated cost of the Design-Builder's general conditions (the "General Conditions Budget") is set forth below. The General Conditions Budget consists of the following elements:

Cost of construction staff (only field staff are reimbursable)	\$ _____
Fringe Benefits associated with field staff costs	\$ _____
Payroll taxes and payroll insurance associated with field staff costs	\$ _____
Staff costs associated with obtaining permits and approvals	\$ _____
Out-of-house consultants	\$ _____
Travel, Living and Relocation expenses	\$ _____
Job vehicles	\$ _____
Field office for CM including but not limited to:	\$ _____
• Trailer purchase and/or rental	
• Field office installation, relocation and removal	
• Utility connections and charges during the Construction Services phase	
• Furniture	
• Field offices for the Office and Program Manager	
• Office supplies	
Office equipment including but not limited to:	\$ _____
• Computer hardware and software	
• Fax machines	
• Copy machines	
• Telephone installation, system and uses charges	
Job radios	\$ _____
Local delivery and overnight delivery costs	\$ _____
Field computer network	\$ _____
Watchmen	\$ _____
First aid facility	\$ _____
Progress photos	\$ _____
Consumption charges for utility service during construction	\$ _____
Printing cost for drawings, bid packages, etc.	\$ _____
Other (please itemize)	\$ _____
 Total General Conditions Budget	 \$ _____

The Offeror acknowledges and understands that the General Conditions Budget will be incorporated into the contract and that the Offeror will not be permitted to exceed the General Conditions Budget unless it first obtains the written approval of the Office.

C. The Hazardous Materials Abatement and Demolition Lump Sum is: \$ _____

The Offeror acknowledges and understands that the Hazardous Materials Abatement and Demolition Lump Sum is a firm, fixed price to fully complete abate and demolish the existing structure, including, but not limited to, labor, materials, trade subcontractor costs, general conditions, insurance and bonding, home office overhead and profit.

- D. In addition, the Offeror hereby represents that, based on its current rating with its surety, the indicated cost of a payment and performance bond is [INSERT PERCENTAGE].

The Offeror's Bid is based on and subject to the following conditions:

1. The Offeror agrees to hold its proposal open for a period of at least one hundred and twenty (120) days after the date of the bid.
2. Assuming the Offeror is selected by the Department and subject only to the changes requested in paragraph 5, the Offeror agrees to enter into a contract with the Department on the terms and conditions described in the Bid Documents within ten (10) days of the notice of the award.
3. Both the Offeror and the undersigned represent and warrant that the undersigned has the full legal authority to submit this bid form and bind the Offeror to the terms of the Offeror's Bid. The Offeror further represents and warrants that no further action or approval must be obtained by the Offeror in order to authorize the terms of the Offeror's Bid.
4. The Offeror and its principal team members hereby represent and warrant that they have not: (i) colluded with any other group or person that is submitting a proposal in response to the RFP in order to fix or set prices; (ii) acted in such a manner so as to discourage any other group or person from submitting a proposal in response to the RFP; or (iii) otherwise engaged in conduct that would violate applicable anti-trust law.
5. The Offeror's proposal is subject to the following requested changes to the Form of Contract: [INSERT REQUESTED CHANGES. OFFERORS ARE ADVISED THAT THE CHANGES SO IDENTIFIED SHOULD BE SPECIFIC SO AS TO PERMIT THE DEPARTMENT TO EVALUATE THE IMPACT OF THE REQUESTED CHANGES IN ITS REVIEW PROCESS. GENERIC STATEMENTS, SUCH AS "A MUTUALLY ACCEPTABLE CONTRACT" ARE NOT ACCEPTABLE. OFFERORS ARE FURTHER ADVISED THAT THE DEPARTMENT WILL CONSIDER THE REQUESTED CHANGES AS PART OF THE EVALUATION PROCESS.]
6. The Offeror hereby certifies that neither it nor any of its team members have entered into any agreement (written or oral) that would prohibit any contractor, subcontractor or subconsultant that is certified by the District of Columbia Office of Department of Small and Local Business Enterprises as a Local, Small, Resident Owned or Disadvantaged Business Enterprise (collectively, "LSDBE Certified Companies") from participating in the work if another company is awarded the contract.
7. This bid form and the Offeror's Bid are being submitted on behalf of [INSERT FULL LEGAL NAME, TYPE OF ORGANIZATION, AND STATE OF FORMATION FOR THE OFFEROR].

Sincerely,

By: _____
Name: _____
Its: _____

Attachment C

The Offeror and each of its principal team members, if any, must submit a statement that discloses any past or present business, familiar or personal relationship with any of the following individuals:

A. D.C. Department of General Services

Brian J. Hanlon	Director
Scott Burrell	Chief Operating Officer
JW Lanum	Associate Director, Contracts and Procurement Division
Camille Sabbakhan	General Counsel
Charles J. Brown, Jr.	Deputy General Counsel

Please identify any past or present business, familiar, or personal relationship in the space below. Use extra sheets if necessary.

B. Leftwich & Ludaway

Thomas D. Bridenbaugh

Please identify any past or present business, familiar, or personal relationship in the space below. Use extra sheets if necessary.

C. Brailsford & Dunlavey
McKissack & McKissack

Please identify any past or present business, familiar, or personal relationship in the space below. Use extra sheets if necessary.

This is to certify that, to the best of my knowledge and belief and after making reasonable inquiry, the above represents a full and accurate disclosure of any past or present business, familiar, or personal relationship with any of the individuals listed above. The undersigned acknowledges and understands that this Disclosure Statement is being submitted to the False Claims Act and that failure to disclose a material relationship(s) may constitute sufficient grounds to disqualify the Offeror.

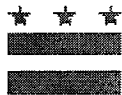
OFFEROR:

By: _____
Name: _____
Title: _____
Date: _____

GOVERNMENT OF THE DISTRICT OF COLUMBIA

Office of the Chief Financial Officer

Office of Tax and Revenue



TAX CERTIFICATION AFFIDAVIT

THIS AFFIDAVIT IS TO BE COMPLETED ONLY BY THOSE WHO ARE REGISTERED TO CONDUCT BUSINESS IN THE DISTRICT OF COLUMBIA.

Date

**Authorized Agent
Name of Organization/Entity
Business Address (include zip code)
Business Phone Number**

**Authorized Agent
Principal Officer Name and Title
Square and Lot Information
Federal Identification Number
Contract Number
Unemployment Insurance Account No.**

I hereby authorize the District of Columbia, Office of the Chief Financial Officer, Office of Tax and Revenue to release my tax information to an authorized representative of the District of Columbia agency with which I am seeking to enter into a contractual relationship. I understand that the information released will be limited to whether or not I am in compliance with the District of Columbia tax laws and regulations solely for the purpose of determining my eligibility to enter into a contractual relationship with a District of Columbia agency. I further authorize that this consent be valid for one year from the date of this authorization.

I hereby certify that I am in compliance with the applicable tax filing and payment requirements of the District of Columbia. The Office of Tax and Revenue is hereby authorized to verify the above information with the appropriate government authorities.

Signature of Authorizing Agent

Title

The penalty for making false statement is a fine not to exceed \$5,000.00, imprisonment for not more than 180 days, or both, as prescribed by D.C. Official Code §47-4106.

Attachment E

General Decision Number: DC130002 02/22/2013 DC2

Superseded General Decision Number: DC20120002

State: District of Columbia

Construction Type: Building

County: District of Columbia Statewide.

BUILDING CONSTRUCTION PROJECTS (does not include single family homes or apartments up to and including 4 stories).

Modification Number	Publication Date
0	01/04/2013
1	01/25/2013
2	02/01/2013
3	02/22/2013

ASBE0024-007 10/01/2012

	Rates	Fringes
ASBESTOS WORKER/HEAT & FROST INSULATOR.....	\$ 33.13	13.60

Includes the application of all insulating materials, protective coverings, coatings and finishes to all types of mechanical systems

ASBE0024-008 10/01/2012

	Rates	Fringes
ASBESTOS WORKER: HAZARDOUS MATERIAL HANDLER.....	\$ 20.86	5.61

Includes preparation, wetting, stripping, removal, scrapping, vacuuming, bagging and disposing of all insulation materials, whether they contain asbestos or not, from mechanical systems

ASBE0024-014 10/01/2012

	Rates	Fringes
FIRESTOPPER.....	\$ 26.06	6.05

Includes the application of materials or devices within or around penetrations and openings in all rated wall or floor assemblies, in order to prevent the passage of fire, smoke of other gases. The application includes all components involved in creating the rated barrier at perimeter slab edges and exterior cavities, the head of gypsum board or concrete walls, joints between rated wall or floor components, sealing of penetrating items and blank openings.

BRDC0001-002 05/01/2012

	Rates	Fringes
BRICKLAYER.....	\$ 27.89	7.76

CARP0132-008 10/01/2012

	Rates	Fringes
CARPENTER, Includes Drywall Hanging, Form Work, and Soft Floor Laying-Carpet.....\$ 26.61		
PILEDRIVERMAN.....	\$ 25.77	7.98 8.15

CARP1831-002 04/01/2012

	Rates	Fringes
MILLWRIGHT.....	\$ 27.96	12.20

ELEC0026-016 11/05/2012

	Rates	Fringes
ELECTRICIAN, Includes Installation of HVAC/Temperature Controls.....\$ 40.00		
		14.30

ELEC0026-017 09/01/2012

	Rates	Fringes
ELECTRICAL INSTALLER (Sound & Communication Systems).....	\$ 25.55	3%+7.77

SCOPE OF WORK: Includes low voltage construction, installation, maintenance and removal of teledata facilities (voice, data and video) including outside plant, telephone and data inside wire, interconnect, terminal equipment, central offices, PABX, fiber optic cable and equipment, railroad communications, micro waves, VSAT, bypass, CATV, WAN (Wide area networks), LAN (Local area networks) and ISDN (Integrated systems digital network).

WORK EXCLUDED: The installation of computer systems in industrial applications such as assembly lines, robotics and computer controller manufacturing systems. The installation of conduit and/or raceways shall be installed by Inside Wiremen. On sites where there is no Inside Wireman employed, the Teledata Technician may install raceway or conduit not greater than 10 feet. Fire alarm work is excluded on all new construction sites or wherever the fire alarm system is installed in conduit. All HVAC control work.

ELEV0010-001 01/01/2012

	Rates	Fringes
ELEVATOR MECHANIC.....	\$ 39.70	23.535+a+b

a. PAID HOLIDAYS: New Year's Day, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day, Christmas Day and the Friday after Thanksgiving.

b. VACATIONS: Employer contributes 8% of basic hourly rate for 5 years or more of service; 6% of basic hourly rate for 6 months to 5 years of service as vacation pay credit.

IRON0005-005 06/01/2012

	Rates	Fringes
IRONWORKER, STRUCTURAL AND ORNAMENTAL.....	\$ 29.55	14.995

IRON0201-006 05/01/2012

	Rates	Fringes
IRONWORKER, REINFORCING.....	\$ 26.50	16.68

* LABO0657-015 06/01/2012

	Rates	Fringes
LABORER: Skilled.....	\$ 21.26	6.83

FOOTNOTE: Potmen, power tool operator, small machine operator, signalmen, laser beam operator, waterproofer, open caisson, test pit, underpinning, pier hole and ditches, ladders and all work associated with lagging that is not expressly stated, strippers, operator of hand derricks, vibrator operators, pipe layers, or tile layers, operators of jackhammers, paving breakers, spaders or any machine that does the same general type of work, carpenter tenders, scaffold builders, operators of towmasters, scootcretes, buggymobiles and other machines of similar character, operators of tampers and rammers and other machines that do the same general type of work, whether powered by air, electric or gasoline, builders of trestle scaffolds over one tier high and sand blasters, power and chain saw operators used in clearing, installers of well points, wagon drill operators, acetylene burners and licensed powdermen, stake jumper, structural demolition.

MARB0002-004 05/01/2012

	Rates	Fringes
MARBLE/STONE MASON.....	\$ 33.08	14.59

INCLUDING pointing, caulking and cleaning of All types of masonry, brick, stone and cement EXCEPT pointing, caulking, cleaning of existing masonry, brick, stone and cement (restoration work)

MARB0003-006 05/01/2011

	Rates	Fringes
TERRAZZO WORKER/SETTER.....	\$ 26.04	9.89

MARB0003-007 05/01/2011

	Rates	Fringes
TERRAZZO FINISHER.....	\$ 20.48	8.74

MARB0003-008 05/01/2011

	Rates	Fringes
TILE SETTER.....	\$ 25.29	9.89

MARB0003-009 05/01/2011

	Rates	Fringes
TILE FINISHER.....	\$ 20.48	8.74

PAIN0051-014 06/01/2012

	Rates	Fringes
GLAZIER		
Glazing Contracts \$2		
million and under.....	\$ 24.17	9.36
Glazing Contracts over \$2		
million.....	\$ 27.14	9.36

PAIN0051-015 06/01/2012

	Rates	Fringes
PAINTER		
Brush, Roller, Spray and		
Drywall Finisher.....	\$ 24.14	8.91

PLAS0891-005 07/01/2011

	Rates	Fringes
PLASTERER.....	\$ 27.66	5.82

PLAS0891-006 05/01/2010

	Rates	Fringes
CEMENT MASON/CONCRETE FINISHER...	\$ 27.15	9.58

PLAS0891-007 08/01/2011

	Rates	Fringes
FIREPROOFER		
Handler.....	\$ 15.00	3.89
Mixer/Pump.....	\$ 17.00	3.89
Sprayer.....	\$ 21.50	3.89

Spraying of all Fireproofing materials. Hand application of Fireproofing materials. This includes wet or dry, hard or soft. Intumescent fireproofing and refraction work, including, but not limited to, all steel beams, columns, metal decks, vessels, floors, roofs, where ever fireproofing is required. Plus any installation of thermal and acoustical insulation. All that encompasses setting up for Fireproofing, and taken down. Removal of fireproofing materials and protection. Mixing of all materials either by hand or machine following manufactures standards.

PLUM0005-008 08/01/2012

	Rates	Fringes
PLUMBER		
Apartment Buildings over 4		
stories (except hotels).....	\$ 23.41	9.51+a
ALL Other Work.....	\$ 38.17	15.75+a

a. PAID HOLIDAYS: Labor Day, Veterans' Day, Thanksgiving Day and the day after Thanksgiving, Christmas Day, New Year's Day, Martin Luther King's Birthday, Memorial Day and the Fourth of July.

PLUM0602-008 08/01/2012

	Rates	Fringes
PIPEFITTER, Includes HVAC Pipe Installation.....	\$ 37.62	18.07+a

a. PAID HOLIDAYS: New Year's Day, Martin Luther King's Birthday, Memorial Day, Independence Day, Labor Day, Veterans' Day, Thanksgiving Day and the day after Thanksgiving and Christmas Day.

ROOF0030-016 09/01/2012

	Rates	Fringes
ROOFER.....	\$ 26.90	10.18

SFDC0669-002 01/01/2013

	Rates	Fringes
SPRINKLER FITTER (Fire Sprinklers).....	\$ 30.53	17.62

SHEE0100-015 07/01/2012

	Rates	Fringes
SHEET METAL WORKER (Including HVAC Duct Installation).....	\$ 38.39	14.54

SUDC2009-003 05/19/2009

	Rates	Fringes
LABORER: Common or General.....	\$ 13.04	2.80
LABORER: Mason Tender - Cement/Concrete.....	\$ 15.40	2.85

LABORER: Mason Tender for
pointing, caulking, cleaning
of existing masonry, brick,
stone and cement structures
(restoration work); excludes
pointing, caulking and
cleaning of new or
replacement masonry, brick,
stone and cement.....

POINTER, CAULKER, CLEANER,
Includes pointing, caulking,
cleaning of existing masonry,
brick, stone and cement
structures (restoration
work); excludes pointing,
caulking, cleaning of new or
replacement
masonry, brick, stone or

cement.....\$ 18.88

WELDERS - Receive rate prescribed for craft performing
operation to which welding is incidental.

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Unlisted classifications needed for work not included within
the scope of the classifications listed may be added after
award only as provided in the labor standards contract clauses
(29CFR 5.5 (a) (1) (ii)).

The body of each wage determination lists the classification
and wage rates that have been found to be prevailing for the
cited type(s) of construction in the area covered by the wage
determination. The classifications are listed in alphabetical
order of "identifiers" that indicate whether the particular
rate is union or non-union.

Union Identifiers

An identifier enclosed in dotted lines beginning with
characters other than "SU" denotes that the union
classification and rate have found to be prevailing for that
classification. Example: PLUM0198-005 07/01/2011. The first
four letters , PLUM, indicate the international union and the
four-digit number, 0198, that follows indicates the local union
number or district council number where applicable , i.e.,
Plumbers Local 0198. The next number, 005 in the example, is
an internal number used in processing the wage determination.
The date, 07/01/2011, following these characters is the
effective date of the most current negotiated rate/collective
bargaining agreement which would be July 1, 2011 in the above
example.

Union prevailing wage rates will be updated to reflect any
changes in the collective bargaining agreements governing the
rates.

0000/9999: weighted union wage rates will be published annually
each January.

Non-Union Identifiers

Classifications listed under an "SU" identifier were derived
from survey data by computing average rates and are not union
rates; however, the data used in computing these rates may
include both union and non-union data. Example: SULA2004-007
5/13/2010. SU indicates the rates are not union majority rates,
LA indicates the State of Louisiana; 2004 is the year of the
survey; and 007 is an internal number used in producing the
wage determination. A 1993 or later date, 5/13/2010, indicates
the classifications and rates under that identifier were issued
as a General Wage Determination on that date.

Survey wage rates will remain in effect and will not change

until a new survey is conducted.

WAGE DETERMINATION APPEALS PROCESS

1.) Has there been an initial decision in the matter? This can be:

- * an existing published wage determination
- * a survey underlying a wage determination
- * a Wage and Hour Division letter setting forth a position on a wage determination matter
- * a conformance (additional classification and rate) ruling

On survey related matters, initial contact, including requests for summaries of surveys, should be with the Wage and Hour Regional Office for the area in which the survey was conducted because those Regional Offices have responsibility for the Davis-Bacon survey program. If the response from this initial contact is not satisfactory, then the process described in 2.) and 3.) should be followed.

With regard to any other matter not yet ripe for the formal process described here, initial contact should be with the Branch of Construction Wage Determinations. Write to:

Branch of Construction Wage Determinations
Wage and Hour Division
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

2.) If the answer to the question in 1.) is yes, then an interested party (those affected by the action) can request review and reconsideration from the Wage and Hour Administrator (See 29 CFR Part 1.8 and 29 CFR Part 7). Write to:

Wage and Hour Administrator
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

The request should be accompanied by a full statement of the interested party's position and by any information (wage payment data, project description, area practice material, etc.) that the requestor considers relevant to the issue.

3.) If the decision of the Administrator is not favorable, an interested party may appeal directly to the Administrative Review Board (formerly the Wage Appeals Board). Write to:

Administrative Review Board
U.S. Department of Labor
200 Constitution Avenue, N.W.
Washington, DC 20210

4.) All decisions by the Administrative Review Board are final.

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END OF GENERAL DECISION

Attachment F

Certification Letter for Cashier's Check or Irrevocable Letter of Credit

Offerors who submit a cashier's check or an irrevocable letter of credit ("Alternate Bid Security") in lieu of a bid bond must also submit this certification, properly notarized, with their proposal. By executing this document, Offeror acknowledges that, if awarded this contract, Offeror shall be required to post promptly a payment and performance bond equal to the full value of the contract. In the event Offeror fails to post such payment and performance bond, the Offeror understands and agrees that: (i) the Department shall draw upon the Alternate Bid Security as liquidated damages; (ii) the award and/or contract shall be terminated; (iii) for a period of two (2) years thereafter, the Department will not accept from such Offeror Alternate Bid Security in lieu of a bid bond; and (iv) the Offeror hereby waives the right to protest the termination of any such award or contract. The Offeror further acknowledges and agrees that the damages the Department would experience in the event such award or contract are terminated due to the Offeror's failure to post a payment and performance bond are difficult to determine and that the value of the Alternate Bid Security represents a reasonable estimate of the damages the Department would incur.

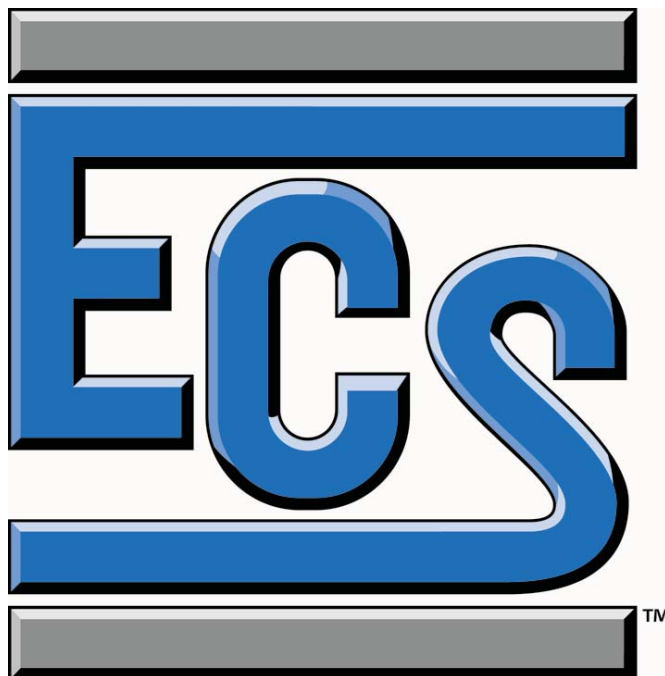
By: _____
Name: _____
Title: _____
Date: _____

District of Columbia) ss:

On the ____ day of _____, 2012, before me, a notary public in and for the District of Columbia, personally appeared _____, who acknowledged himself/herself to be _____ of _____, and that he/she as such, being authorized to do so, executed the foregoing instrument for the purposes therein contained.

IN WITNESS WHEREOF, I have hereunto set my hand and official seal.

Notary Public
My Commission Expires: _____



HAZARDOUS MATERIALS SURVEY

**BROOKLAND SCHOOL
1150 MICHIGAN AVENUE, NORTHEAST
WASHINGTON, DC**

ECS PROJECT NO. 01:20705-A

FOR

HARTMAN-COX

FEBRUARY 18, 2013



February 18, 2013

Mr. Graham Davidson
Hartman-Cox
1074 Thomas Jefferson Street, NW
Washington, DC 20007

ECS Project No. 01:20705-A

Reference: Hazardous Materials Survey, Brookland School, 1150 Michigan Avenue, NE,
Washington, DC 20017.

Dear Mr. Davidson:

ECS Mid-Atlantic, LLC (ECS) is pleased to provide Hartman-Cox with the results of the above referenced non-invasive survey for the subject building. This work was performed in general conformance with ECS Proposal No. 01:42826-EP, dated January 3, 2013. The following is a summary of results of the above referenced work. The on-site survey work was performed in January 29 and February 1, 2013. Our services are intended to address the following materials only: asbestos-containing materials (ACMs), lead-based paint (LBP), polychlorinated biphenyls (PCB) in electrical equipment, and mercury in fluorescent light fixtures and thermostats, as well as other readily apparent/selected hazardous materials. It is important to note only materials that were readily accessible were accessed and others materials may be present that were not accessible.

SITE DESCRIPTION

The referenced property, located at 1150 Michigan Avenue, NE, Washington, DC, consists of a three-story building with mezzanine and basement levels currently vacant and formerly used as a school. The basement consists of a boiler room and mechanical rooms; the 1st floor consists of a kitchen and cafeteria; and classrooms are located in the mezzanine and upper floors. It is ECS' understanding that the subject building is scheduled to be demolished in the future.

An underground storage tank (UST) has been reported by you to be present within the above referenced property. During our site visits, evidence of the reported UST is located at the rear side of the building, currently used as a parking lot.

RESULTS

Asbestos

The asbestos survey was performed by an inspector who is certified and has received training under the Environmental Protection Agency (EPA) Asbestos Hazard Emergency Response Act (AHERA) regulations. Samples of suspect asbestos-containing materials (ACMs) were collected utilizing hand tools and placed into individual, labeled plastic bags. A total of 193 unique suspect ACM samples were sent to Scientific Analytical Institute, Inc (SAI) for analysis via Polarized Light Microscopy (PLM) in accordance with current EPA-600 methodology. Materials consisting of additional layers were analyzed separately.

SAI is listed as an accredited laboratory by the National Voluntary Laboratory Accreditation Plan (NVLAP) managed by the National Institute of Standards and Technology (NIST) for bulk sample analysis. Multiple samples of each unique material were submitted. Samples were analyzed using "Positive Stop" methodology. If one sample of a homogeneous material is found to contain asbestos, the remaining samples of that material are not analyzed. EPA regulations stipulate that if one sample contains asbestos the entire quantity of that material contains asbestos, regardless of additional analysis. In total, 212 layers were analyzed.

A summary of materials found to contain asbestos or assumed to contain asbestos can be found in Table 1 below. A list of materials sampled and tested for asbestos content is located in Table 2 which can be found in the appendix.

TABLE 1 Asbestos-Containing Materials Summary		
<u>Location</u>	<u>Material</u>	<u>Friability</u>
Brick structure on roof	Exterior Door Caulk	Category II Non-Friable
Hallway between kitchen and trash Room in 1st floor; foyer to stairwell to roof access in 1st floor; foyer to East stairwell to basement access in 2nd floor	12"x12" Greenish Gray Floor Tile and Associated Black Mastic	Category I Non-Friable

TABLE 1 Asbestos-Containing Materials Summary		
<u>Location</u>	<u>Material</u>	<u>Friability</u>
Hallway between kitchen and trash room in 1st floor; open space and bottom layer in PE kindergarten classroom in mezzanine level	Yellow/Black Mastic Associated with Tan with Brown Flecks Floor Tile and	Category I Non-Friable
Cafeteria in 1st floor; stairwells, stair landing and stairs in every floor	12"x12" Beige Flecked Floor Tile and Associated Black Mastic	Category I Non-Friable
2" pipeline in boiler room in basement	Beige Mastic and Jacket on Fiberglass 2" Pipe Bridging Insulation	Category II Non-Friable
COND & WP pipeline in custodial supply room in basement	Beige Mastic on Fiberglass Pipe Bridging Insulation	Category II Non-Friable
Emergency exit door in boiler room in basement	White Interior Door Caulk	Category II Non-Friable
Throughout building	2'x4' White Fissured Ceiling Tile	Friable
Above ceiling tile throughout building	Brown Mastic on Metal Duct Pin	Category II Non-Friable
Classrooms in mezzanine level	Tan Interior Window Caulk	Category II Non-Friable
Classrooms in mezzanine level	Brown Interior Window Glazing	Category II Non-Friable
Throughout building	Joint Compound Associated with Drywall	Category II Non-Friable
Kitchenettes in every floor	Black Sink Undercoat	Category II Non-Friable

TABLE 1 Asbestos-Containing Materials Summary		
<u>Location</u>	<u>Material</u>	<u>Friability</u>
Classrooms inside PE kindergarten room and file room in mezzanine level	12"x12" Tan Flecked Floor Tile and Associated Black Mastic	Category I Non-Friable
Classrooms in mezzanine level	Gray Exterior Window Glazing	Category II Non-Friable
Open space in 2nd floor	Mastic Associated with 12"x12" Reddish Brown Flecked Floor Tile	Category I Non-Friable
Open spaces in 2nd and 3rd floor	Beige Interior Window Caulk	Category II Non-Friable
Stairwells	Gray Interior Window Caulk	Category II Non-Friable
Above in plaster ceiling in stairwells	Black Mastic on Metal Duct	Category II Non-Friable

***Materials Assumed to Contain Asbestos**

<u>Location</u>	<u>Material</u>	<u>Friability</u>
At stairwells and any location requiring a fire rated door	Fire Door Insulation	Friable
Boiler room in basement	Gaskets	Unknown
Boiler room in basement	Interior Boiler Material	Unknown
Inaccessible windows at stairwells in 2 nd and 3 rd floors	Exterior Window Caulk and Glazing	Category II Non-Friable

TABLE 1 Asbestos-Containing Materials Summary		
<u>Location</u>	<u>Material</u>	<u>Friability</u>
Behind blackboards throughout building	Mastic	Category II Non-Friable
Elevator	Elevator's switch deflector plate, brakes, cab and doors.	Unknown
Hidden behind walls and hard ceilings	Thermal System Insulation (TSI)**	Friable

Note: *These materials could not be sampled due to the destructive means that sampling requires.

**Due to existing condition of the building, pipe chases behind drywall wallboards in some areas were accessible and no TSI was observed.

ECS recommends where a material type has been identified as asbestos containing that similar type materials throughout the building be assumed to contain asbestos.

Identified asbestos-containing ceiling tile and joint compound associated with drywall wallboards were observed to be damaged throughout the building. Debris generated from this condition was also observed on floors, fixtures, and furniture.

ECS attempted to access suspect asbestos-containing building materials in accessible areas. However, due to the destructive means required to access all materials, certain areas (i.e., sub-grade sealants, flooring located below underlayments, areas behind walls, pipe chases, vapor barriers, etc.) were deemed inaccessible and were not assessed; therefore, additional suspect ACMs may be present. Suspect asbestos-containing materials not accessible during this survey may be encountered during demolition activities. If encountered, these materials should be sampled immediately upon discovery for asbestos content by a certified asbestos inspector in accordance with 29 CFR 1926.1101.

Lead-Based Paint

The Lead-Based Paint (LBP) survey was performed by a District of Columbia certified Lead Risk Assessor. Painted and/or glazed surfaces were assessed for lead content using a Direct-Read X-Ray Fluorescence (XRF) Spectrometer manufactured by Innov-X Systems.

The survey was conducted utilizing the U.S. EPA definition of lead-based paint. Under the EPA definition, painted surfaces which contain lead in concentrations equal to or greater than 1.0 milligrams per square centimeter ($\geq 1.0 \text{ mg/cm}^2$) are classified as coated with LBP. Paints with concentrations of lead detectable by the XRF are considered lead-containing paints.

The representative survey included taking readings from walls, stairwell, window, door, and miscellaneous components. Walls are listed by letter with wall "A" being the entrance of the unit, proceeding clockwise to "B, C, D", etc. Each painted surface is classified based on paint condition and given an Intact, Fair, or Poor condition. A total of 191 readings were collected during the survey, including calibration readings. A list of XRF readings collected from within and on the exterior of the buildings is included in the appendix of this report.

The following is a summary of painted surfaces which contain lead in concentrations equal to or greater than 1.0 milligrams per square centimeter ($\geq 1.0 \text{ mg/cm}^2$) for each testing combinations analyzed:

- Orange metal elevator doors and door jamb in 3rd floor.

A list of paint readings collected from within and on the exterior of the buildings is included in the appendix of this report.

Miscellaneous Materials

In addition to survey for asbestos-containing materials and lead-based paints, ECS surveyed the building and made an inventory of selected accessible materials which may require special handling or disposal if removed from the building.

No sampling or characterization of these materials was included within our scope of services. Materials which may require sampling or characterization prior to disposal are summarized below.

Polychlorinated Biphenyl (PCB) Containing Lamp Ballasts

Polychlorinated biphenyls (PCBs) are toxic coolants or lubricating oils used in some electrical transformers and capacitors, hydraulically-operated equipment, light ballasts, and other similar equipment.

ECS surveyed the structures for potential liquid PCB containing materials and equipment. At the time of the Hazardous Material Survey, ECS visually observed several of the fluorescent light ballasts throughout the structures in an attempt to identify labeling indicating the presence/absence of PCB containing fluids. It should be noted that light ballasts manufactured prior to 1979 could contain small quantities of PCBs. However, regardless of "PCB labeling," ballasts produced between 1980 and 1991 may contain di-ethyl hexyl phthalate (DEHP) which is classified as a potential carcinogen by the EPA. Prior to demolishing the building, ECS recommends ballasts be recycled regardless of "PCB" labeling.

Approximately 1,530 ballasts were observed in the building.

Mercury Containing Components

The EPA classifies mercury as both hazardous and toxic. The survey included observations for building components, equipment or other apparatus, which could contain mercury, such as thermostats, fluorescent lamps, and switch-containing devices.

As previously discussed, fluorescent lamps were observed throughout the building. Approximately 11,568 linear feet of lamps were observed (including spare bulbs) in the building. In addition, approximately ten (10) high-intensive discharge (HID) lamps were observed on roof, along perimeter walls. The fluorescent and HID lamps may contain small quantities of mercury. Several broken fluorescent lamps were observed on the floors throughout the building.

Refrigerants and Extinguishers

ECS attempted to identify extinguishers and equipment which may contain Freon. During the survey, ECS observed air handlers, fire extinguishers and a walk-in refrigerator in the kitchen in 1st floor. These units may contain Freon or other refrigerants.

Other Potential Hazardous/Regulated Substances and Building Condition Concerns

The following materials were observed which may require special handling and disposal prior to demolition of the building:

- Emergency exit/alarm lead-acid batteries;
- Fire extinguishers;
- One walk-in refrigerator in the kitchen in 1st floor;
- Underground storage tank (UST) at rear parking lot.

RECOMMENDATIONS

Asbestos

The materials listed in Table 1 consist of both friable (i.e., able to be crumbled, pulverized, and/or reduced to powder by hand pressure when dry) and non-friable materials which contain greater than one percent (>1%) asbestos. By definition, these materials are

considered ACMs. Friable materials will easily produce airborne asbestos fibers if disturbed. Non-Friable materials may also produce airborne asbestos fibers if disturbed.

ECS recommends the identified asbestos-containing materials (ACMs) and any assumed ACMs found to be present within the building be removed by a District of Columbia certified asbestos abatement contractor prior to disturbance.

As noted, in areas where ACMs are damaged, ECS recommends impacted surfaces and mobile item be cleaned by a District of Columbia certified asbestos abatement contractor as soon as reasonably possible. Access to these areas should be restricted until this material has been abated.

Prior to asbestos removal, notification of an asbestos project must be made to the District of Columbia and the EPA. This notification must be filed 10 business days before starting asbestos abatement activities. This notification is typically filed by the abatement contractor.

Federal and local regulations require asbestos-containing materials be removed prior to disturbance by demolition activities. If asbestos-containing materials are to be removed, it is recommended that a Project Monitor be retained to monitor the abatement project.

At the time of the survey, destructive means were not used to locate or sample suspect ACMs; therefore, additional suspect ACMs may remain within the building hidden behind inaccessible areas that include, but are not limited to, sub-grade walls, structural members, topping slabs, exterior areas, sub-grade sealants, flooring located below underlayments, areas behind walls, pipe chases, vapor barriers, etc. were deemed inaccessible and were not assessed. If additional suspect asbestos-containing materials are uncovered during demolition activities which were not accessible during this survey, it is recommended that these materials be sampled immediately upon discovery for asbestos content by a certified Asbestos Inspector in accordance with 29 CFR 1926.1101.

Lead-Based Paint

Under the EPA definition, painted surfaces which contain lead in concentrations equal to or greater than 1.0 milligrams per square centimeter ($\geq 1.0 \text{ mg/cm}^2$) are classified as coated with LBP. However, it is important to note that even if a painted surface contains lead in concentration less than 1.0 milligrams per square centimeter ($< 1.0 \text{ mg/cm}^2$), it may still contain concentration of lead in the paint, which when disturbed, may generate lead dust greater than the Permissible Exposure Limit (PEL) of 50 micrograms per cubic millimeter ($\mu\text{g/m}^3$) as an 8-hour Time Weighted Average (TWA) established by U.S. Occupational Safety and Health Administration (OSHA) Standard 29 CFR 1926.62 – Lead in Construction.

Based on the findings of this survey, it is recommended that all surfaces be assumed to contain lead-containing paint.

Lead-based paint and lead-containing paint is an environmental concern primarily when it becomes airborne or is ingested. Contractors performing work that could impact paint films or glazing (i.e. scrapped or flaked off, or made airborne in a dust media) that have detectable concentrations of lead should be informed of the testing results and should take appropriate actions to comply with OSHA Standard 29 CFR 1926.62. – Lead in Construction.

The OSHA standard gives no guidance on acceptable levels of lead in paint at which no exposure to airborne lead (above the action level) would be expected. Rather, OSHA defines airborne concentrations, and references specific types of work practices and operations from which a lead hazard may be generated (reference 29 CFR 1926.62, section d). Environmental and personnel monitoring should be conducted during any removal/demolition process (as appropriate) to verify that actual personal exposures are below the Permissible Exposure Limit (PEL). Under OSHA requirements, the contractor performing removal/demolition work will be required to conduct this monitoring and follow applicable requirements under 29 CFR 1926.62.

The District of Columbia Department of the Environment (DDOE) is applying the Lead-Hazard Prevention and Elimination Act of 2008 to all properties (residential, commercial, public, and industrial) in the District. As of the date of this report, the DDOE will require contractors to obtain a lead abatement permit for any work which will disturb lead-based paint. Contractors are required to notify DDOE seven days prior to performing work which will disturb lead-based paint. A copy of the lead-based paint activity notification form and permit application are located in the appendix of the report.

A list of paint readings collected from within and on the exterior of the buildings is included in the appendix of this report.

Other Hazardous/Regulated Materials

Fluorescent and HID lamps and lamp ballasts should be recycled or disposed of in accordance with EPA and District of Columbia regulations. Recycling is the most environmental friendly means of disposal for these materials. Fluorescent lamps may be disposed at universal waste, if they remain unbroken during removal. If bulbs are crushed or broken prior to disposal, they are classified as hazardous waste by the EPA.

As noted, due to the presence of mercury within fluorescent lamps found to be broken throughout the building, impacted areas should be assumed to contain mercury product on the floors and other surfaces; therefore, mercury remediation is recommended prior to demolition.

Lamp ballasts, mercury containing switches, lead-acid batteries and other regulated waste materials must be segregated and disposed of as universal waste as required by the EPA and District of Columbia. If any of these materials are observed to be leaking or otherwise damaged prior to disposal they must be disposed of as hazardous waste in accordance with EPA and District of Columbia regulations. Handling, packaging, labeling, and disposal of hazardous materials should be performed in accordance with EPA and District of Columbia regulations. The District of Columbia will require the building owner (referred to as the "generator") to obtain an EPA Generator ID number in order to dispose of hazardous waste materials. A copy of the EPA Generator ID number application has been enclosed with this report. It should be completed and submitted to DDOE to obtain a number prior to the removal of any hazardous or universal waste materials from the site.

Refrigerants in chillers, refrigerators, and other equipment should be reclaimed and disposed of properly. The EPA requires that any equipment dismantled on-site prior to disposal must have its refrigerant recovered in accordance with EPA's Refrigerant Recycling Rules (Section 608). However, equipment that typically enters the waste stream during demolition with the charge intact (e.g. air conditioners, refrigerators, and water fountains) is subject to special safe disposal requirements. Under the EPA requirements, the final party in the disposal chain (e.g. scrap metal recycler or landfill owner) is responsible for ensuring that refrigerants are recovered from equipment prior to final disposition. However, refrigerants can also be evacuated prior to disposal provided proper documentation of the evacuation is provided to the disposal facility.

Since an existing underground storage tank (UST) has been reported to be present within the property, and removal of the UST has been scheduled, ECS recommended performing an environmental screening of the geotechnical borings also scheduled to be conducted for the site in order to characterize soils which will be encountered during the excavation.

General:

Prior to demolition of the building, ECS recommends that a project specification be developed to delineate and quantify known and suspect asbestos-containing materials in the building and to outline proper procedures for the abatement and disposal of other hazardous materials. This will help protect the owner's liability in better defining the scope of work and contractors' roles and responsibilities in the abatement process and holding the contractor accountable for the performance of the project. The specification typically defines the Contractor's scope of work and outline requirements and procedures that must be followed for this project. The intent of the specification is to give performance requirements for the contractor so that the project can be completed safely and in compliance with applicable federal and state regulations. Typically, the specification document serves as part of the site owner's contract with the contractor.

If we can be of further assistance to you, please do not hesitate to contact us at (703) 471-8400.

Sincerely,

ECS MID-ATLANTIC, LLC



Joanna Vivanco
Staff Project Manager



Stephen R. Geraci
Senior Project Manager

Enclosures: Limitations
 Table 2 – Bulk Sampling of Suspect ACMs
 Table 3 - Lead Based Paint Results
 DDOE Lead-Based Paint Activity Notification Form and Permit Application
 EPA Generator ID Number Application
 Laboratory Analytical Results
 Photographs

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LIMITATIONS

This report summarizes our evaluation of the conditions observed at the site. The findings prepared by ECS are based upon our observations in the building and analysis of the samples collected at the time of this survey. As with any similar survey of this nature, actual conditions exist only at the precise locations from which suspect samples were collected. Certain inferences are based on the results of this sampling and related testing to form a professional opinion of conditions in areas beyond those from which the samples were collected. No other warranty, expressed or implied, is made. Additional hazardous materials may exist in other portions of the building that were not accessible such as behind walls and permanent ceilings and in other areas not included in the survey.

Our recommendations are in part based on federal and state regulations and guidelines. ECS does not assume the responsibility of the person(s) in charge of the site, or otherwise undertake responsibility for reporting to any local, state, or federal public agencies any conditions at the site that may present a potential danger to public health, safety, or the environment. Under this scope of services, ECS assumes no responsibility regarding any response actions initiated as a result of these findings. General compliance with regulations and response actions are the sole responsibility of the Client and should be conducted in accordance with local, state, and/or federal requirements.

The client agrees to notify the appropriate local, state, or federal public agencies as required by law, or otherwise to disclose, in a timely manner, information that may be necessary to prevent any danger to public health, safety, or the environment.

The conclusions and recommendations presented within this report are based upon a reasonable level of investigation within normal bounds and standards of professional practice for a site. ECS is not responsible or liable for the discovery and elimination of hazards that may potentially cause damage, accidents, or injuries. Any conditions discovered which deviate from the data or findings contained in this report should be presented to us for our evaluation.

Observations, conclusions, and recommendations pertaining to environmental conditions at the subject site are necessarily limited to conditions observed, and or materials reviewed at the time this study was undertaken. No other warranty, expressed or implied, is made with regard to the conclusions and recommendations presented within this report. This report is provided for the exclusive use of the client and its designated agents. This report is not intended to be used or relied upon in connection with other projects or by other unidentified third parties without the written consent of the client. The use of this report by any undesignated third party or parties will be at such party's sole risk and ECS disclaims liability for any such third party use or reliance.

TABLE 2
BULK SAMPLING OF SUSPECT ASBESTOS-CONTAINING MATERIALS

Sample #	Sample Location	Material/Description	Analytical Results
R1	Roof	Roof Tar	NAD
R2	Roof	Roof Tar	NAD
R3	Roof	Roof Tar	NAD
R4	Roof	Roof Patch	NAD
R5	Roof	Roof Patch	NAD
R6	Roof	Roof Patch	NAD
R7	Roof	Roof Exterior Door Caulk	4% Chrysotile
R8	Roof	Roof Exterior Door Caulk	N/A
R9	Roof	Roof Exterior Door Caulk	N/A
R10	Roof	Brown Roof Flashing Sealant	NAD
R11	Roof	Brown Roof Flashing Sealant	NAD
R12	Roof	Brown Roof Flashing Sealant	NAD
R13	Roof	Black w/Small Gravel Roof Membrane (Top Layer)	NAD
R14	Roof	Black w/Small Gravel Roof Membrane (Top Layer)	NAD
R15	Roof	Black w/Small Gravel Roof Membrane (Top Layer)	NAD
R16	Roof	Roof Felt w/Tar (2nd Layer)	NAD
R17	Roof	Roof Felt w/Tar (2nd Layer)	NAD
R18	Roof	Roof Felt w/Tar (2nd Layer)	NAD
R19	Roof	Roof Brown Insulation (Bottom Layer)	NAD
R20	Roof	Roof Brown Insulation (Bottom Layer)	NAD
R21	Roof	Roof Brown Insulation (Bottom Layer)	NAD
R22	Roof	Roof Flashing (Top Layer)	NAD
R23	Roof	Roof Flashing (Top Layer)	NAD
R24	Roof	Roof Flashing (Top Layer)	NAD
R25	Roof	Roof Flashing (Underlayer)	NAD
R26	Roof	Roof Flashing (Underlayer)	NAD
R27	Roof	Roof Flashing (Underlayer)	NAD
R28	Roof	Pitch Pocket	NAD
R29	Roof	Pitch Pocket	NAD
R30	Roof	Pitch Pocket	NAD
31 - A	Hallway between Kitchen and Trash Room in 1st Floor	12"x12" Greenish Gray Floor Tile & Black Mastic	3% Chrysotile
31 - B	Hallway between Kitchen and Trash Room in 1st Floor	12"x12" Greenish Gray Floor Tile & Black Mastic	5% Chrysotile
32 - A	Foyer in 1st Floor at Stairwell to Roof Access	12"x12" Greenish Gray Floor Tile & Black Mastic	N/A
32 - B	Foyer in 1st Floor at Stairwell to Roof Access	12"x12" Greenish Gray Floor Tile & Black Mastic	N/A
33 - A	Foyer in 2nd Floor at E Stairwell to Basement Access	12"x12" Greenish Gray Floor Tile & Black Mastic	N/A
33 - B	Foyer in 2nd Floor at E Stairwell to Basement Access	12"x12" Greenish Gray Floor Tile & Black Mastic	N/A
34 - A	Hallway between Kitchen and Trash Room in 1st Floor	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	NAD
34 - B	Hallway between Kitchen and Trash Room in 1st Floor	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	5% Chrysotile
35 - A	Open Space (Front) in 2nd Floor	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	NAD
35 - B	Open Space (Front) in 2nd Floor	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	N/A
36 - A	PE Kindergarten Classroom in Mezzanine Level	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	NAD
36 - B	PE Kindergarten Classroom in Mezzanine Level	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	N/A
37 - A	Cafeteria in 1st Floor	12"x12" Beige Flecked Floor Tile & Black Mastic	4% Chrysotile
37 - B	Cafeteria in 1st Floor	12"x12" Beige Flecked Floor Tile & Black Mastic	5% Chrysotile
38 - A	East Stair Landing between 1st Floor and Basement	12"x12" Beige Flecked Floor Tile & Black Mastic	N/A
38 - B	East Stair Landing between 1st Floor and Basement	12"x12" Beige Flecked Floor Tile & Black Mastic	N/A
39 - A	Stairs to Roof Access	12"x12" Beige Flecked Floor Tile & Black Mastic	N/A
39 - B	Stairs to Roof Access	12"x12" Beige Flecked Floor Tile & Black Mastic	N/A
40 - A	East Stair Landing between 1st Floor and Basement	4" Brown Cove Base & Brown Mastic	NAD
40 - B	East Stair Landing between 1st Floor and Basement	4" Brown Cove Base & Brown Mastic	NAD
41 - A	East Stair Landing between 1st Floor and Basement	4" Brown Cove Base & Brown Mastic	NAD
41 - B	East Stair Landing between 1st Floor and Basement	4" Brown Cove Base & Brown Mastic	NAD
42 - A	East Stair Landing between 1st Floor and Basement	4" Brown Cove Base & Brown Mastic	NAD
42 - B	East Stair Landing between 1st Floor and Basement	4" Brown Cove Base & Brown Mastic	NAD
43 - A	Boiler Room in Basement	Mudded Tank Insulation & Jacket	NAD
43 - B	Boiler Room in Basement	Mudded Tank Insulation & Jacket	NAD
44 - A	Boiler Room in Basement	Mudded Tank Insulation & Jacket	NAD
44 - B	Boiler Room in Basement	Mudded Tank Insulation & Jacket	NAD
45 - A	Boiler Room in Basement	Mudded Tank Insulation & Jacket	NAD
45 - B	Boiler Room in Basement	Mudded Tank Insulation & Jacket	NAD
46 - A	Boiler Room in Basement	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	NAD
46 - B	Boiler Room in Basement	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	NAD
47 - A	Boiler Room in Basement	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	NAD
47 - B	Boiler Room in Basement	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	NAD
48 - A	Boiler Room in Basement	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	NAD
48 - B	Boiler Room in Basement	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	NAD
49	Boiler Room in Basement	Beige Mastic & Jacket on Fiberglass 2" Pipe Bridging Insulation	5% Chrysotile
50	Boiler Room in Basement	Beige Mastic & Jacket on Fiberglass 2" Pipe Bridging Insulation	N/A
51	Boiler Room in Basement	Beige Mastic & Jacket on Fiberglass 2" Pipe Bridging Insulation	N/A
52	Boiler Room in Basement	White Mastic & Jacket on Fiberglass 12" Pipe Bridging Insulation	NAD
53	Boiler Room in Basement	White Mastic & Jacket on Fiberglass 12" Pipe Bridging Insulation	NAD
54	Boiler Room in Basement	White Mastic & Jacket on Fiberglass 12" Pipe Bridging Insulation	NAD
55	Boiler Room in Basement	White Jacket on Fiberglass Duct Insulation	NAD
56	Boiler Room in Basement	White Jacket on Fiberglass Duct Insulation	NAD
57	Boiler Room in Basement	White Jacket on Fiberglass Duct Insulation	NAD
58 - A	Boiler Room in Basement	White Mastic Jacket & Black Insulation on 1' Vertical Tank #3611	NAD
58 - B	Boiler Room in Basement	White Mastic Jacket & Black Insulation on 1' Vertical Tank #3611	NAD
59 - A	Boiler Room in Basement	White Mastic Jacket & Black Insulation on 1' Vertical Tank #3611	NAD
59 - B	Boiler Room in Basement	White Mastic Jacket & Black Insulation on 1' Vertical Tank #3611	NAD

60	Boiler Room in Basement	White Mastic Jacket & Black Insulation on 1' Vertical Tank #3611	NAD
61 - A	Boiler Room in Basement	White Mastic Jacket & Black Insulation on 2' Vertical Tank #3610	NAD
61 - B	Boiler Room in Basement	White Mastic Jacket & Black Insulation on 2' Vertical Tank #3610	NAD
62 - A	Boiler Room in Basement	Mudded Insulation on Side of 2' Vertical Tank #3610	NAD
62 - B	Boiler Room in Basement	Mudded Insulation on Side of 2' Vertical Tank #3610	NAD
63 - A	Boiler Room in Basement	Mudded Insulation on Side of 2' Vertical Tank #3610	NAD
63 - B	Boiler Room in Basement	Mudded Insulation on Side of 2' Vertical Tank #3610	NAD
63 - C	Boiler Room in Basement	Mudded Insulation on Side of 2' Vertical Tank #3610	NAD
64 - A	Boiler Room in Basement	White Mastic Jacket & Black Insulation on 4' Horizontal Tank #3609	NAD
64 - B	Boiler Room in Basement	White Mastic Jacket & Black Insulation on 4' Horizontal Tank #3609	NAD
65 - A	Boiler Room in Basement	Mudded Insulation on Side of 4' Horizontal Tank #3609	NAD
65 - B	Boiler Room in Basement	Mudded Insulation on Side of 4' Horizontal Tank #3609	NAD
65 - C	Boiler Room in Basement	Mudded Insulation on Side of 4' Horizontal Tank #3609	NAD
66 - A	Boiler Room in Basement	Mudded Insulation on Side of 4' Horizontal Tank #3609	NAD
66 - B	Boiler Room in Basement	Mudded Insulation on Side of 4' Horizontal Tank #3609	NAD
67	Steel I-beam Riser in 3rd Floor	Fireproofing	NAD
68	Steel I-beam Riser in 3rd Floor	Fireproofing	NAD
69	Custodial Supply Room in Basement	Fireproofing	NAD
70	Custodial Supply Room in Basement	Fireproofing	NAD
71	E Stairwell in Basement	Fireproofing	NAD
72	General Storage in Basement	Fireproofing	NAD
73	General Storage in Basement	Fireproofing	NAD
74	Custodial Supply Room in Basement	Beige Mastic on Fiberglass Pipe Bridging Insulation (COND/WP Pipelines)	NAD
75	Custodial Supply Room in Basement	Beige Mastic on Fiberglass Pipe Bridging Insulation (COND/WP Pipelines)	4% Chrysotile
76	Custodial Supply Room in Basement	Beige Mastic on Fiberglass Pipe Bridging Insulation (COND/WP Pipelines)	N/A
77	Custodial Supply Room in Basement	Brown Cloth Duct Vibration Damper	NAD
78	General Storage in Basement	Brown Cloth Duct Vibration Damper	NAD
79	Mechanical Room in Mezzanine Level	Brown Cloth Duct Vibration Damper	NAD
80	Emergency Exit Door in Boiler Room in Basement	White Interior Door Caulk	4% Chrysotile
81	Emergency Exit Door in Boiler Room in Basement	White Interior Door Caulk	N/A
82	Emergency Exit Door in Boiler Room in Basement	White Interior Door Caulk	N/A
83 - A	Fire Control Room in Basement	Mudded Insulation (Fire Control Room)	NAD
83 - B	Fire Control Room in Basement	Mudded Insulation (Fire Control Room)	NAD
84 - A	Fire Control Room in Basement	Mudded Insulation (Fire Control Room)	NAD
84 - B	Fire Control Room in Basement	Mudded Insulation (Fire Control Room)	NAD
85 - A	Fire Control Room in Basement	Mudded Insulation (Fire Control Room)	NAD
85 - B	Fire Control Room in Basement	Mudded Insulation (Fire Control Room)	NAD
86 - A	Foyer East Stairwell in 2nd Floor	4" Black Cove base & Cream/Black/Brown Mastic	NAD
86 - B	Elevator Lobby at E Stairwell in Mezzanine Level	4" Black Cove base & Cream/Black/Brown Mastic	NAD
87 - A	Elevator Lobby at E Stairwell in Mezzanine Level	4" Black Cove base & Cream/Black/Brown Mastic	NAD
87 - B	Elevator Lobby at E Stairwell in Mezzanine Level	4" Black Cove base & Cream/Black/Brown Mastic	NAD
88 - A	Elevator Lobby at E Stairwell in Mezzanine Level	4" Black Cove base & Cream/Black/Brown Mastic	NAD
88 - B	Elevator Lobby at E Stairwell in Mezzanine Level	4" Black Cove base & Cream/Black/Brown Mastic	NAD
89 - A	Elevator Lobby at E Stairwell in Mezzanine Level	6" Green Cove Base & Brown Mastic	NAD
89 - B	Elevator Lobby at E Stairwell in Mezzanine Level	6" Green Cove Base & Brown Mastic	NAD
90 - A	Elevator Lobby at E Stairwell in Mezzanine Level	6" Green Cove Base & Brown Mastic	NAD
90 - B	Elevator Lobby at E Stairwell in Mezzanine Level	6" Green Cove Base & Brown Mastic	NAD
91 - A	Elevator Lobby at E Stairwell in Mezzanine Level	6" Green Cove Base & Brown Mastic	NAD
91 - B	Elevator Lobby at E Stairwell in Mezzanine Level	6" Green Cove Base & Brown Mastic	NAD
92	Elevator Lobby at E Stairwell in Mezzanine Level	2"x4' White Fissured Ceiling Tile	NAD
93	Cafeteria in 1st Floor	2"x4' White Fissured Ceiling Tile	NAD
94	Open Space (West Side) in 3rd Floor	2"x4' White Fissured Ceiling Tile	5% Amosite
95	Elevator Lobby at E Stairwell in Mezzanine Level	Beige Mastic on Fiberglass Duct Insulation	NAD
96	Open Space (Front) in 2nd Floor	Beige Mastic on Fiberglass Duct Insulation	NAD
97	Hallway between Kitchen and Trash Room in 1st Floor	Beige Mastic on Fiberglass Duct Insulation	NAD
98	Elevator Lobby at E Stairwell in Mezzanine Level	Dark Brown Mastic on Metal Duct Pin	10% Chrysotile
99	Open Space at W Stairwell in Mezzanine Level	Light Brown Mastic on Metal Duct Pin	10% Chrysotile
100	Open Space (Front) in 2nd Floor	Beige Mastic on Metal Duct Pin	8% Chrysotile
101	Elevator Lobby at E Stairwell in Mezzanine Level	Beige Mastic on Fiberglass Pipe Insulation	NAD
102	Elevator Lobby at E Stairwell in Mezzanine Level	Beige Mastic on Fiberglass Pipe Insulation	NAD
103	Elevator Lobby at E Stairwell in Mezzanine Level	Beige Mastic on Fiberglass Pipe Insulation	NAD
104	Elevator Lobby at E Stairwell in Mezzanine Level	1"x1' White Fissured Ceiling Tile	NAD
105	Classroom (Front) in Mezzanine Level	1"x1' White Fissured Ceiling Tile	NAD
106	Open Space (East Side) in 2nd Floor	1"x1' White Fissured Ceiling Tile	NAD
107	Classroom (Front) in Mezzanine Level	Tan Interior Window Caulk	4% Chrysotile
108	PE Kindergarten Classroom in Mezzanine Level	Tan Interior Window Caulk	N/A
109	PE Kindergarten Classroom in Mezzanine Level	Tan Interior Window Caulk	N/A
110	Classroom (Front) in Mezzanine Level	Brown Interior Window Glazing	NAD
111	PE Kindergarten Classroom in Mezzanine Level	Brown Interior Window Glazing	4% Chrysotile
112	PE Kindergarten Classroom in Mezzanine Level	Brown Interior Window Glazing	N/A
113	Men Bathroom (Front Side) in Mezzanine Level	Drywall	NAD
114	PE Kindergarten Classroom in Mezzanine Level	Drywall	NAD
115	Open Space at W Stairwell (Kitchennette) in 2nd Floor	Drywall	NAD
116	Open Space (West Side) in 3rd Floor	Drywall	NAD
117	Men Bathroom (Front Side) in Mezzanine Level	Joint Compound	3% Chrysotile
118	PE Kindergarten Classroom in Mezzanine Level	Joint Compound	3% Chrysotile
119	Open Space at W Stairwell (Kitchennette) in 2nd Floor	Joint Compound	3% Chrysotile
120	Open Space (West Side) in 3rd Floor	Joint Compound	3% Chrysotile
121	Above Ceiling Tile Hallway (Front) on Mezzanine Level	Plaster	NAD
122	W Stairwell Ceiling in 2nd Floor	Plaster	NAD
123	E Stairwell Ceiling in 3rd Floor	Plaster	NAD
124	E Stairwell Ceiling in 3rd Floor	Plaster	NAD
125 - A	Ceiling in Electrical Room in 3rd Floor	Plaster	NAD

125 - B	Ceiling in Electrical Room in 3rd Floor	Plaster	NAD
126 - A	Ceiling in Kitchen in 1st floor	Plaster	NAD
126 - B	Ceiling in Kitchen in 1st floor	Plaster	NAD
127 - A	Ceiling in Kitchen in 1st floor	Plaster	NAD
127 - B	Ceiling in Kitchen in 1st floor	Plaster	NAD
128	Mechanical Room at W Stairwell in Mezzanine Level	White Jacket on Fiberglass Duct Insulation	NAD
129	Mechanical Room at W Stairwell in Mezzanine Level	White Jacket on Fiberglass Duct Insulation	NAD
130	Mechanical Room at W Stairwell in Mezzanine Level	White Jacket on Fiberglass Duct Insulation	NAD
131	Mechanical Room at W Stairwell in Mezzanine Level	White Mastic & Jacket inside Vent Unit	NAD
132	Mechanical Room at W Stairwell in Mezzanine Level	White Mastic & Jacket inside Vent Unit	NAD
133	Mechanical Room at W Stairwell in Mezzanine Level	White Mastic & Jacket inside Vent Unit	NAD
134	PE Kindergarten Classroom in Mezzanine Level	Black Sink Undercoat	3% Chrysotile
135	PE Kindergarten Classroom in Mezzanine Level	Black Sink Undercoat	N/A
136	PE Kindergarten Classroom in Mezzanine Level	Black Sink Undercoat	N/A
137	PE Kindergarten Classroom in Mezzanine Level	2'x4' White Pinhole Ceiling Tile	NAD
138	PE Kindergarten Classroom in Mezzanine Level	2'x4' White Pinhole Ceiling Tile	NAD
139	PE Kindergarten Classroom in Mezzanine Level	2'x4' White Pinhole Ceiling Tile	NAD
140 - A	PE Kindergarten Classroom in Mezzanine Level	12"x12" Beige Mottled Floor Tile & Yellow Mastic	NAD
140 - B	PE Kindergarten Classroom in Mezzanine Level	12"x12" Beige Mottled Floor Tile & Yellow Mastic	NAD
141 - A	Open Space (Front) in 2nd Floor	12"x12" Beige Mottled Floor Tile & Yellow Mastic	NAD
141 - B	Open Space (Front) in 2nd Floor	12"x12" Beige Mottled Floor Tile & Yellow Mastic	NAD
142 - A	Open Space (Front) in 3rd Floor	12"x12" Beige Mottled Floor Tile & Yellow Mastic	NAD
142 - B	Open Space (Front) in 3rd Floor	12"x12" Beige Mottled Floor Tile & Yellow Mastic	NAD
143 - A	Classroom inside PE Kindergarten Classroom in Mezzanine Level	12"x12" Tan Flecked Floor Tile & Black Mastic	4% Chrysotile
143 - B	Classroom inside PE Kindergarten Classroom in Mezzanine Level	12"x12" Tan Flecked Floor Tile & Black Mastic	8% Chrysotile
144 - A	Classroom inside PE Kindergarten Classroom in Mezzanine Level	12"x12" Tan Flecked Floor Tile & Black Mastic	N/A
144 - B	Classroom inside PE Kindergarten Classroom in Mezzanine Level	12"x12" Tan Flecked Floor Tile & Black Mastic	N/A
145 - A	Classroom inside PE Kindergarten Classroom in Mezzanine Level	12"x12" Tan Flecked Floor Tile & Black Mastic	N/A
145 - B	Classroom inside PE Kindergarten Classroom in Mezzanine Level	12"x12" Tan Flecked Floor Tile & Black Mastic	N/A
146	Rear Exterior Area	Brown Exterior Door Caulk	NAD
147	Rear Exterior Area	Brown Exterior Door Caulk	NAD
148	Rear Exterior Area	Brown Exterior Door Caulk	NAD
149	Front Exterior Area	Brown Exterior Window Caulk	NAD
150	Front Exterior Area	Brown Exterior Window Caulk	NAD
151	Front Exterior Area	Brown Exterior Window Caulk	NAD
152	Front Exterior Area	Gray Exterior Window Glazing	NAD
153	Front Exterior Area	Gray Exterior Window Glazing	5% Chrysotile
154	Front Exterior Area	Gray Exterior Window Glazing	N/A
155	Classroom at S Stairwell in Mezzanine Level	Yellow Carpet Mastic	NAD
156	Classroom in Open Space (Rear) in 2nd Floor	Yellow Carpet Mastic	NAD
157	Classroom in Open Space (Rear) in 3rd Floor	Yellow Carpet Mastic	NAD
158 - A	Bathroom Foyer in 2nd Floor	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	NAD
158 - B	Bathroom Foyer in 2nd Floor	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	NAD
159 - A	Hallway behind Elevator in 2nd Floor	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	NAD
159 - B	Hallway behind Elevator in 2nd Floor	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	NAD
160 - A	Open Space (Front) in 2nd Floor	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	NAD
160 - B	Open Space (Front) in 2nd Floor	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	8% Chrysotile
161	Open Space (Front) in 2nd Floor	Beige Interior Window Caulk	4% Chrysotile
162	Open Space (Front) in 2nd Floor	Beige Interior Window Caulk	N/A
163	Open Space (Front) in 2nd Floor	Beige Interior Window Caulk	N/A
164	Open Space (Front) in 2nd Floor	Brown Interior Window Glazing	NAD
165	Open Space (Front) in 2nd Floor	Brown Interior Window Glazing	NAD
166	Open Space (Front) in 2nd Floor	Brown Interior Window Glazing	NAD
167	File Room (Front) in 2nd Floor	White Mastic on Fiberglass Riser 1' Pipe	NAD
168	File Room (Front) in 2nd Floor	White Mastic on Fiberglass Riser 1' Pipe	NAD
169	File Room (Front) in 2nd Floor	White Mastic on Fiberglass Riser 1' Pipe	NAD
170	File Room (Front) in 2nd Floor	Beige Join Mastic on Riser 1' Pipe	NAD
171	File Room (Front) in 2nd Floor	Beige Join Mastic on Riser 1' Pipe	NAD
172	File Room (Front) in 2nd Floor	Beige Join Mastic on Riser 1' Pipe	NAD
173	West Stairwell in 2nd Floor	Gray Interior Window Caulk	4% Chrysotile
174	West Stairwell in 2nd Floor	Gray Interior Window Caulk	N/A
175	West Stairwell in 2nd Floor	Gray Interior Window Caulk	N/A
176	West Stairwell in 2nd Floor	Black Mastic on Metal Duct	10% Chrysotile
177	West Stairwell in 2nd Floor	Black Mastic on Metal Duct	N/A
178	West Stairwell in 2nd Floor	Black Mastic on Metal Duct	N/A
179	Open Space (Front) in 2nd Floor	Yellow Mastic under 2'x2' Carpet Tile	NAD
180	Open Space (Front) in 2nd Floor	Yellow Mastic under 2'x2' Carpet Tile	NAD
181	Open Space (Front) in 2nd Floor	Yellow Mastic under 2'x2' Carpet Tile	NAD
182	Open Space (Front) in 2nd Floor	2'x4' White Solid Ceiling Tile	NAD
183	Open Space (Front) in 2nd Floor	2'x4' White Solid Ceiling Tile	NAD
184	Open Space (Front) in 2nd Floor	2'x4' White Solid Ceiling Tile	NAD
185 - A	Kitchennette Area at W Stairwell in 3rd Floor	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	NAD
185 - B	Kitchennette Area at W Stairwell in 3rd Floor	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	NAD
186 - A	Kitchennette Area at W Stairwell in 3rd Floor	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	NAD
186 - B	Kitchennette Area at W Stairwell in 3rd Floor	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	NAD
187 - A	Kitchennette Area at W Stairwell in 3rd Floor	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	NAD
187 - B	Kitchennette Area at W Stairwell in 3rd Floor	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	NAD
188	Open Space at W Stairwell in 3rd Floor	Beige Mastic on 2"x4" Fiberglass Bridging Pipe Insulation	NAD
189	Open Space at W Stairwell in 3rd Floor	Beige Mastic on 2"x4" Fiberglass Bridging Pipe Insulation	NAD
190	Open Space at W Stairwell in 3rd Floor	Beige Mastic on 2"x4" Fiberglass Bridging Pipe Insulation	NAD
191	Stairs to Access Mezzanine Level from Cafeteria in 2st Floor	Black Terrazzo Stair	NAD
192	Stairs to Access Mezzanine Level from Cafeteria in 2st Floor	Black Terrazzo Stair	NAD
193	Stairs to Access Mezzanine Level from Cafeteria in 2st Floor	Black Terrazzo Stair	NAD



Date	Reading	Location	Room	Side	Substrate	Color	Condition	Component	Pb	Pb +/-
29-Jan-13	1				Standardization				N/A	N/A
29-Jan-13	2				Calibration				1.11	0.05
29-Jan-13	3				Calibration				1.09	0.04
29-Jan-13	4				Calibration				1.07	0.06
29-Jan-13	5	Exterior	Rear	C	Metal	Blue	Fair	Door	0.14	0.18
29-Jan-13	6	Exterior	Rear	C	Metal	Blue	Fair	Door Casing	0.01	0.00
29-Jan-13	7	Exterior	Rear	C	Metal	Blue	Fair	Door Lental	0.21	0.06
29-Jan-13	8	Exterior	Rear	C	Metal	Blue	Fair	Door Lental	0.24	0.06
29-Jan-13	9	Exterior	Rear	C	Metal	Blue	Fair	Door Lental	0.29	0.08
29-Jan-13	10	Exterior	Rear	C	Metal	Blue	Fair	Door Casing	0.09	0.06
29-Jan-13	11	Exterior	Rear	C	Metal	Blue	Fair	Door	0.02	0.02
29-Jan-13	12	Exterior	Rear	C	Metal	Blue	Fair	Door	0.00	0.00
29-Jan-13	13	Exterior	Rear	C	Metal	Blue	Fair	Door Casing	0.00	0.00
29-Jan-13	14	Exterior	Rear	C	Metal	Blue	Fair	Door Casing	0.01	0.01
29-Jan-13	15	Exterior	Rear	C	Metal	Blue	Fair	Door	0.01	0.00
29-Jan-13	16	Exterior	Rear	C	Metal	Blue	Fair	Door Lental	0.21	0.06
29-Jan-13	17	Exterior	Rear	C	Metal	Gray	Poor	Pipe	0.20	0.08
29-Jan-13	18	Exterior	Rear	C	Metal	Yellow	Poor	Pipe	0.00	0.00
29-Jan-13	19	Exterior	Rear	C	Metal	Gray	Poor	Fence Post	0.21	0.07
29-Jan-13	20	Exterior	Rear	C	Metal	Green	Poor	Fence Post	0.15	0.04
29-Jan-13	21	Exterior	Rear	C	Metal	Yellow	Poor	Fence Post	0.76	0.07
29-Jan-13	22	Exterior	Rear	C	Concrete	White	Fair	Trim	0.00	0.00
29-Jan-13	23	Exterior	Rear	C	Metal	Brown	Fair	Railing	0.03	0.02
29-Jan-13	24	Exterior	Rear	C	Metal	Black	Fair	Fence	0.00	0.00
29-Jan-13	25	Exterior	Rear	C	Metal	Green	Fair	Pipe	0.16	0.04
29-Jan-13	26	Exterior	Front	A	Metal	Blue	Fair	Door	0.00	0.00
29-Jan-13	27	Exterior	Front	A	Metal	Blue	Fair	Door Casing	0.04	0.03
29-Jan-13	28	Exterior	Front	A	Metal	Blue	Fair	Door Casing	0.04	0.05
29-Jan-13	29	Exterior	Front	A	Metal	Blue	Fair	Door	0.01	0.01
29-Jan-13	30	Exterior	Front	A	Metal	Blue	Fair	Door	0.01	0.02
29-Jan-13	31	Exterior	Front	A	Metal	Blue	Fair	Door Casing	0.02	0.02
29-Jan-13	32	Exterior	Front	A	Metal	Black	Fair	Fence	0.00	0.00
29-Jan-13	33	Exterior	Front	A	Metal	Black	Fair	Fence	0.00	0.00
29-Jan-13	34	Exterior	Front	A	Metal	Blue	Fair	Door	0.00	0.01
29-Jan-13	35	Exterior	Front	A	Metal	Blue	Fair	Door Casing	0.03	0.02
29-Jan-13	36	Exterior	Front	A	Metal	Black	Fair	Fence	0.00	0.00



29-Jan-13	37	Exterior	Front	A	Metal	Green	Fair	Fence Post	0.10	0.03
29-Jan-13	38	Exterior	Side	B	Metal	Black	Fair	Fence	0.00	0.00
29-Jan-13	39	Exterior	Side	B	Metal	Brown	Fair	Window Casing	0.02	0.03
29-Jan-13	40	Exterior	Side	B	Metal	Brown	Fair	Window Sash	0.00	0.01
29-Jan-13	41	Exterior	Side	B	Metal	Brown	Fair	Window Casing	0.04	0.02
29-Jan-13	42	Exterior	Side	B	Metal	Blue	Fair	Door	0.00	0.01
29-Jan-13	43	Exterior	Side	B	Metal	Blue	Fair	Door	0.02	0.04
29-Jan-13	44	Exterior	Side	B	Metal	Green	Fair	Fence Post	0.22	0.05
29-Jan-13	45	1st Floor	Cafeteria	D	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	46	1st Floor	Cafeteria	C	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	47	1st Floor	Cafeteria	B	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	48	1st Floor	Cafeteria	A	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	49	1st Floor	Cafeteria	A	Concrete Block	Green	Intact	Wall	0.00	0.00
29-Jan-13	50	1st Floor	Cafeteria	B	Concrete Block	Green	Intact	Wall	0.00	0.00
29-Jan-13	51	1st Floor	Cafeteria	D	Concrete Block	Green	Intact	Wall	0.00	0.00
29-Jan-13	52	1st Floor	Cafeteria	C	Concrete Block	Green	Intact	Wall	0.00	0.00
29-Jan-13	53	1st Floor	Cafeteria	D	Metal	Green	Intact	Door	0.00	0.00
29-Jan-13	54	1st Floor	Cafeteria	D	Metal	Green	Intact	Door Casing	0.02	0.02
29-Jan-13	55	1st Floor	Cafeteria	D	Metal	Blue	Intact	Door	0.00	0.00
29-Jan-13	56	1st Floor	Cafeteria	D	Metal	Blue	Intact	Door Casing	0.03	0.02
29-Jan-13	57	1st Floor	Kitchen	D	Metal	White	Intact	Door Casing	0.05	0.02
29-Jan-13	58	1st Floor	Kitchen	D	Metal	White	Intact	Column	0.01	0.01
29-Jan-13	59	1st Floor	Kitchen	A	Concrete Block	White	Intact	Wall	0.02	0.01
29-Jan-13	60	1st Floor	Kitchen	B	Concrete Block	White	Intact	Wall	0.07	0.04
29-Jan-13	61	1st Floor	Kitchen	C	Concrete Block	White	Intact	Wall	0.02	0.02
29-Jan-13	62	1st Floor	Kitchen	D	Concrete Block	White	Intact	Wall	0.03	0.02
29-Jan-13	63	1st Floor	Kitchen	D	Drywall	White	Intact	Ceiling	0.00	0.00
29-Jan-13	64	1st Floor	Gym	D	Metal	Blue	Intact	Door	0.00	0.00
29-Jan-13	65	1st Floor	Gym	D	Metal	Blue	Intact	Door Casing	0.01	0.02
29-Jan-13	66	1st Floor	Gym	D	Metal	Orange	Intact	Door Casing	0.06	0.06
29-Jan-13	67	1st Floor	Gym	D	Metal	Orange	Intact	Door	0.05	0.02
29-Jan-13	68	1st Floor	Boys Bathroom	D	Concrete Block	Yellow	Intact	Wall	0.03	0.07
29-Jan-13	69	1st Floor	Boys Bathroom	B	Concrete Block	Yellow	Intact	Wall	0.01	0.03
29-Jan-13	70	1st Floor	Boys Bathroom	A	Concrete Block	Yellow	Intact	Wall	0.01	0.02
29-Jan-13	71	1st Floor	Boys Bathroom	C	Concrete Block	Yellow	Intact	Wall	0.02	0.05
29-Jan-13	72	1st Floor	Boys Bathroom	C	Concrete Block	White	Intact	Toilet	0.02	0.01
29-Jan-13	73	1st Floor	Boys Bathroom	C	Ceramic	White	Intact	Floor	0.00	0.00



29-Jan-13	74	1st Floor	Classroom	C	Concrete Block	Blue	Intact	Wall	0.00	0.00
29-Jan-13	75	1st Floor	Classroom	A	Concrete Block	Yellow	Intact	Wall	0.00	0.00
29-Jan-13	76	1st Floor	Classroom	B	Concrete Block	Yellow	Intact	Wall	0.00	0.00
29-Jan-13	77	1st Floor	Classroom	D	Concrete Block	Yellow	Intact	Wall	0.00	0.00
29-Jan-13	78	1st Floor	Classroom	A	<i>Metal</i>	Yellow	<i>Intact</i>	<i>Door Casing</i>	<i>0.03</i>	<i>0.02</i>
29-Jan-13	79	1st Floor	Classroom	A	<i>Metal</i>	Yellow	<i>Intact</i>	<i>Door</i>	<i>0.04</i>	<i>0.01</i>
29-Jan-13	80	1st Floor	Gym	A	Metal	Blue	Intact	Railing	0.00	0.00
29-Jan-13	81	1st Floor	Classroom	A	Concrete Block	Blue	Intact	Wall	0.00	0.00
29-Jan-13	82	1st Floor	Classroom	C	Concrete Block	Blue	Intact	Wall	0.00	0.00
29-Jan-13	83	1st Floor	Classroom	B	Concrete Block	Blue	Intact	Wall	0.00	0.00
29-Jan-13	84	1st Floor	Classroom	D	Concrete Block	Blue	Intact	Wall	0.00	0.00
29-Jan-13	85	1st Floor	Stairwell	A	Metal	Blue	Intact	Stair Riser	0.00	0.00
29-Jan-13	86	1st Floor	Stairwell	A	Metal	Blue	Intact	Stair Stringer	0.00	0.00
29-Jan-13	87	1st Floor	Stairwell	A	<i>Metal</i>	Blue	<i>Intact</i>	<i>Stair Newel Post</i>	<i>0.01</i>	<i>0.02</i>
29-Jan-13	88	2nd Floor	2nd Floor	A	Concrete Block	Blue	<i>Intact</i>	<i>Wall</i>	<i>0.03</i>	<i>0.01</i>
29-Jan-13	89	2nd Floor	2nd Floor	C	Concrete Block	Blue	<i>Intact</i>	<i>Wall</i>	<i>0.06</i>	<i>0.05</i>
29-Jan-13	90	2nd Floor	2nd Floor	B	Concrete Block	Blue	<i>Intact</i>	<i>Wall</i>	<i>0.04</i>	<i>0.03</i>
29-Jan-13	91	2nd Floor	2nd Floor	D	Concrete Block	Blue	<i>Intact</i>	<i>Wall</i>	<i>0.03</i>	<i>0.05</i>
29-Jan-13	92	2nd Floor	2nd Floor	D	Concrete Block	Yellow	Intact	Wall	0.00	0.00
29-Jan-13	93	2nd Floor	2nd Floor	C	Concrete Block	Yellow	<i>Intact</i>	<i>Wall</i>	<i>0.02</i>	<i>0.03</i>
29-Jan-13	94	2nd Floor	2nd Floor	B	Concrete Block	Yellow	<i>Intact</i>	<i>Wall</i>	<i>0.01</i>	<i>0.05</i>
29-Jan-13	95	2nd Floor	2nd Floor	A	Concrete Block	Yellow	Intact	Wall	0.00	0.00
29-Jan-13	96	2nd Floor	2nd Floor	A	Metal	Yellow	Intact	Door	0.00	0.00
29-Jan-13	97	2nd Floor	2nd Floor	A	<i>Metal</i>	Yellow	<i>Intact</i>	<i>Door Casing</i>	<i>0.30</i>	<i>0.04</i>
29-Jan-13	98	2nd Floor	2nd Floor	D	<i>Metal</i>	Orange	<i>Intact</i>	<i>Door Casing</i>	<i>0.05</i>	<i>0.03</i>
29-Jan-13	99	2nd Floor	2nd Floor	D	<i>Metal</i>	Orange	<i>Intact</i>	<i>Door</i>	<i>0.04</i>	<i>0.01</i>
29-Jan-13	100	2nd Floor	2nd Floor	B	Concrete Block	Pink	Intact	Wall	0.00	0.00
29-Jan-13	101	2nd Floor	2nd Floor	C	Concrete Block	Pink	Intact	Wall	0.00	0.00
29-Jan-13	102	2nd Floor	2nd Floor	A	Concrete Block	Pink	Intact	Wall	0.00	0.00
29-Jan-13	103	2nd Floor	2nd Floor	D	Concrete Block	Pink	Intact	Wall	0.00	0.00
29-Jan-13	104	2nd Floor	2nd Floor	D	Metal	Pink	Intact	Door	0.00	0.00
29-Jan-13	105	2nd Floor	2nd Floor	D	<i>Metal</i>	<i>Pink</i>	<i>Intact</i>	<i>Door Casing</i>	<i>0.03</i>	<i>0.01</i>
29-Jan-13	106	2nd Floor	Stairwell	B	Metal	Blue	Intact	Stair Riser	0.00	0.00
29-Jan-13	107	2nd Floor	Stairwell	B	Metal	Blue	Intact	Stair Stringer	0.00	0.00
29-Jan-13	108	2nd Floor	Stairwell	B	<i>Metal</i>	<i>Blue</i>	<i>Intact</i>	<i>Stair Newel Post</i>	<i>0.04</i>	<i>0.03</i>
29-Jan-13	109	3rd Floor	3rd Floor	D	Metal	Blue	Intact	Door	0.00	0.00
29-Jan-13	110	3rd Floor	3rd Floor	D	<i>Metal</i>	<i>Blue</i>	<i>Intact</i>	<i>Door Casing</i>	<i>0.04</i>	<i>0.01</i>



29-Jan-13	111	3rd Floor	3rd Floor	D	Concrete Block	Yellow	Intact	Wall	0.02	0.01
29-Jan-13	112	3rd Floor	3rd Floor	C	Concrete Block	Yellow	Intact	Wall	0.04	0.02
29-Jan-13	113	3rd Floor	3rd Floor	B	Concrete Block	Yellow	Intact	Wall	0.03	0.01
29-Jan-13	114	3rd Floor	3rd Floor	A	Concrete Block	Yellow	Intact	Wall	0.05	0.03
29-Jan-13	115	3rd Floor	3rd Floor	A	Concrete Block	Green	Intact	Wall	0.03	0.01
29-Jan-13	116	3rd Floor	3rd Floor	B	Concrete Block	Green	Intact	Wall	0.00	0.06
29-Jan-13	117	3rd Floor	3rd Floor	D	Concrete Block	Green	Intact	Wall	0.02	0.04
29-Jan-13	118	3rd Floor	3rd Floor	C	Concrete Block	Green	Intact	Wall	0.05	0.03
29-Jan-13	119	3rd Floor	3rd Floor	D	Metal	Green	Intact	Door	0.00	0.00
29-Jan-13	120	3rd Floor	3rd Floor	D	Metal	Green	Intact	Door Casing	0.00	0.00
29-Jan-13	121	3rd Floor	3rd Floor	A	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	122	3rd Floor	3rd Floor	B	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	123	3rd Floor	3rd Floor	D	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	124	3rd Floor	3rd Floor	C	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	125	3rd Floor	3rd Floor	D	Metal	White	Intact	Door	0.02	0.01
29-Jan-13	126	3rd Floor	3rd Floor	D	Metal	White	Intact	Door Casing	0.03	0.03
29-Jan-13	127	3rd Floor	3rd Floor	D	Metal	Blue	Intact	Door	0.02	0.02
29-Jan-13	128	3rd Floor	3rd Floor	D	Metal	Blue	Intact	Door Casing	0.02	0.00
29-Jan-13	129	3rd Floor	3rd Floor	D	Metal	White	Intact	Door Casing	0.00	0.00
29-Jan-13	130	3rd Floor	3rd Floor	D	Metal	White	Intact	Column	0.00	0.00
29-Jan-13	131	3rd Floor	3rd Floor	D	Metal	Orange	Intact	Door Casing	0.06	0.02
29-Jan-13	132	3rd Floor	3rd Floor	D	Metal	Orange	Intact	Door	0.01	0.03
29-Jan-13	133	Basement	Basement	A	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	134	Basement	Basement	C	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	135	Basement	Basement	B	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	136	Basement	Basement	D	Concrete Block	White	Intact	Wall	0.00	0.00
29-Jan-13	137	Basement	Basement	A	Concrete Block	Yellow	Intact	Door	0.00	0.00
29-Jan-13	138	Basement	Basement	A	Concrete Block	Yellow	Intact	Door Casing	0.05	0.02
29-Jan-13	139	Basement	Basement	A	Concrete Block	White	Intact	Duct	0.00	0.00
29-Jan-13	140	Basement	Basement	D	Concrete Block	Yellow	Intact	Wall	0.00	0.00
29-Jan-13	141	Basement	Basement	C	Concrete Block	Yellow	Intact	Wall	0.00	0.00
29-Jan-13	142	Basement	Basement	A	Concrete Block	Yellow	Intact	Wall	0.00	0.00
29-Jan-13	143	Basement	Basement	B	Concrete Block	Yellow	Intact	Wall	0.00	0.00
29-Jan-13	144	Basement	Basement	B	Concrete Block	Yellow	Intact	Door	0.00	0.00
29-Jan-13	145	Basement	Basement	B	Concrete Block	Yellow	Intact	Door Casing	0.05	0.02
29-Jan-13	146	Basement	Basement	D	Metal	White	Intact	Column	0.02	0.01
29-Jan-13	147	Basement	Basement	D	Metal	Yellow	Poor	Door Casing	0.04	0.02



29-Jan-13	148	Basement	Basement	D	Metal	Yellow	Fair	Door	0.00	0.00
29-Jan-13	149	Basement	Basement	D	Concrete	Gray	Fair	Floor	0.00	0.00
29-Jan-13	150	Basement	Basement	D	Concrete	Gray	Fair	Column	0.00	0.00
29-Jan-13	151	Basement	Basement	B	Metal	Blue	Fair	Duct	0.09	0.01
29-Jan-13	152	Basement	Basement	B	Metal	Blue	Fair	Door Casing	0.04	0.01
29-Jan-13	153	Basement	Basement	B	Brick	White	Fair	Wall	0.00	0.00
29-Jan-13	154	Basement	Basement	A	Concrete	White	Fair	Wall	0.00	0.00
29-Jan-13	155	Basement	Basement	C	Concrete	White	Fair	Wall	0.00	0.00
29-Jan-13	156	Basement	Basement	D	Concrete	White	Fair	Wall	0.00	0.00
29-Jan-13	157	Calibration							1.08	0.03
29-Jan-13	158	Calibration							1.11	0.04
29-Jan-13	159	Calibration							1.12	0.06
01-Feb-13	160	Standardization							N/A	N/A
01-Feb-13	161	Calibration							1.09	0.05
01-Feb-13	162	Calibration							1.20	0.09
01-Feb-13	163	Calibration							1.18	0.08
01-Feb-13	164	3rd Floor	Open Area	A	Metal	Yellow	Intact	Beam	0.03	0.02
01-Feb-13	165	3rd Floor	Open Area	A	Drywall	Yellow	Intact	Wall	0.00	0.00
01-Feb-13	166	3rd Floor	Open Area	A	Drywall	Black	Intact	Wall	0.00	0.00
01-Feb-13	167	3rd Floor	Room 300d	B	Wood	White	Intact	Cabinet	0.00	0.00
01-Feb-13	168	3rd Floor	Room 300d	B	Wood	White	Intact	Shelf	0.00	0.00
01-Feb-13	169	3rd Floor	Open Area	A	Drywall	White	Intact	Wall	0.00	0.00
01-Feb-13	170	3rd Floor	Center of Open Area	B	Concrete Block	Green	Intact	Wall	0.00	0.00
01-Feb-13	171	3rd Floor	Janitor Closet	B	Ceramic	Brown	Intact	Floor	0.00	0.00
01-Feb-13	172	3rd Floor	Janitor Closet	B	Ceramic	Gray	Intact	Floor	0.00	0.00
01-Feb-13	173	3rd Floor	Janitor Closet	B	Ceramic	Beige	Intact	Floor	0.00	0.00
01-Feb-13	174	3rd Floor	Janitor Closet	B	Wood	Brown	Intact	Door	0.00	0.00
01-Feb-13	175	3rd Floor	Open Area	B	Metal	White	Intact	Door	0.02	0.03
01-Feb-13	176	3rd Floor	Elevator	C	Metal	Orange	Intact	Door	1.99	0.18
01-Feb-13	177	3rd Floor	Elevator	C	Metal	Orange	Intact	Door Casing	0.83	0.08
01-Feb-13	178	3rd Floor	Elevator	C	Metal	Orange	Intact	Door Jamb	1.13	0.07
01-Feb-13	179	3rd Floor	Fire Extinguisher Box	C	Metal	Red	Intact	Door Casing	0.04	0.03
01-Feb-13	180	3rd Floor	Fire Extinguisher Box	C	Metal	Red	Intact	Door	0.05	0.03
01-Feb-13	181	1st Floor	Kitchen	A	Ceramic	Brown	Intact	Floor	0.00	0.00
01-Feb-13	182	1st Floor	Kitchen-Locker Room	A	Ceramic	Yellow	Intact	Floor	0.00	0.00
01-Feb-13	183	1st Floor	Kitchen-Locker Room	A	Ceramic	White	Intact	Floor	0.00	0.00
01-Feb-13	184	1st Floor	Kitchen	A	Concrete Block	Off-White	Intact	Wall	0.00	0.01



01-Feb-13	185	1st Floor	Kitchen	A	Metal	Off-White	Intact	Door Casing	0.02	0.01
01-Feb-13	186	1st Floor	Kitchen	B	Metal	Blue	Intact	Door	0.02	0.02
01-Feb-13	187	1st Floor	Kitchen	B	Metal	Blue	Intact	Door	0.01	0.02
01-Feb-13	188	1st Floor	Kitchen	A	Plaster	White	Intact	Ceiling	0.00	0.00
01-Feb-13	189	Calibration								
01-Feb-13	190	Calibration								
01-Feb-13	191	Calibration								
									1.09	0.05
									1.13	0.06
									1.07	0.04

DISTRICT OF COLUMBIA

LEAD AND HEALTHY HOUSING DIVISION

COMPLIANCE AND ENFORCEMENT BRANCH

APPLICATION INSTRUCTIONS & FORMS

FOR

NOTIFICATION OF LEAD-BASED PAINT ACTIVITIES

AND

ABATEMENT PERMITS

June 2011

Government of the District of Columbia
District Department of the Environment

Lead and Healthy Housing Division
Compliance & Enforcement Branch



June 2011

Dear Contractor:

Please be advised that as of April 12, 2005, unless exempt or excluded by law, all business entities and individuals, including government agencies, performing abatement of lead-based paint or lead-based paint hazards, or performing projects that permanently eliminate lead-based paint hazards in the District of Columbia, must provide the District Department of the Environment with at least seven (7) business days advance notice of the abatement or project. This requirement applies regardless of what type of property or structure (residential, public, commercial, and industrial) the abatement is taking place on or in.

These lead-based paint activities, whether they abate known lead-based paint or eliminate lead-based paint hazards, require business entities and individuals to obtain an abatement permit and pay the required permit fee before beginning work. If you have already obtained a permit but wish to change the scope of work under which the permit was obtained, you must notify the District Department of the Environment of the proposed change and pay any related fees before beginning work on the modified project. All fees must be paid by check or by money order, made payable to the D.C. Treasurer. Abatement fees are non-refundable.

All business entities and individuals to which this applies must complete both the Lead-Based Paint Activity Notification Form and the Lead Abatement Permit Application Form. Once completed, the Forms must be submitted to:

**DISTRICT DEPARTMENT OF THE ENVIRONMENT
LEAD AND HEALTHY HOUSING DIVISION
COMPLIANCE & ENFORCEMENT BRANCH
1200 FIRST STREET, N.E., 5th Floor
WASHINGTON, D.C. 20002
Attn: Permitting**

Or fax to: 202-481-3770

**Or email to: amber.sturdivant@dc.gov AND to williemaemiller@dc.gov
(All checks must be mailed or submitted in person to this office)**

Copies of the District's Lead-Based Paint Activity Notification and Permit Application Forms are enclosed for your use.

Enforcement action will be taken to the fullest extent of the law against contractors who fail to comply with the certification, notification, and permitting requirements of the District of Columbia's Lead-Hazard Prevention and Elimination Act of 2008, effective March 31, 2009, as amended by the Lead-Hazard Prevention and Elimination Amendment Act of 2010, D.C. Law 18-348, effective March 31, 2011 ("Act") D.C. Official Code § 8-231.01 *et seq.* Should you have any questions, please do not hesitate to contact the Compliance and Enforcement Branch at (202) 535-1934 between the hours of 8:30 AM and 4:30 PM, Monday through Friday (except holidays).

We look forward to working with you.

LEAD-BASED PAINT ACTIVITY NOTIFICATION FORM

This Notification Form must be completed and filed with the District Department of the Environment, at least seven (7) business days before the start of work, in accordance with The Lead-Hazard Prevention and Elimination Act of 2008, DC Law 17-381, effective March 31, 2009, as amended by the Lead-Hazard Prevention and Elimination Amendment Act of 2010, D.C. Law 18-348, effective March 31, 2011 ("Act") D.C. Official Code § 8-231.01 *et seq.*

Please note: this Notification Form is not a substitute for an abatement permit. DDOE will review this Form to determine whether an abatement permit is necessary for the proposed project.

Location of Project:

Address: _____ Lot _____
_____ Square _____
_____ Ward _____

Approximate Year of Construction of Project Property or Structure: _____

Starting Date of Lead-Based Paint Activity: _____

Projected Completion Date of Lead-Based Paint Activity: _____

Property Owner Information:

Name: _____

Address: _____

Daytime telephone: _____
Fax: _____
E-mail: _____

General Contractor Information:

Name: _____

Address: _____

Daytime telephone: _____
Fax: _____
E-mail: _____

Certified Lead Abatement Contractor Information:

Name: _____

D.C. Lead-Based Paint Business Entity Certification Number: _____

Daytime telephone: _____
Fax: _____
E-mail: _____

Certified Abatement Supervisor Information:

Name: _____

D.C. Lead-Based Paint Supervisor Certification Number: _____

Daytime telephone: _____
Fax: _____
E-mail: _____

In order for DDOE to properly review this Notification Form, you must include a project description that describes all work methods to be used, as well as a description of the current paint conditions on the structural components involved in the proposed scope of work.

Project Description:

Summary of Work Methods to be used, including location(s) where each Work Method will be used:

Description of Paint Conditions on painted components at each location where work will be performed:

SIGNATURE PAGE

for

LEAD-BASED PAINT ACTIVITY NOTIFICATION FORM

I declare that the information provided on the Lead-Based Paint Activity Notification Form is true, correct and complete to the best of my knowledge, and certify that I have the authority to represent the owner of the property that is the subject of this notification and/or application and to sign on behalf of the person(s) listed as the owner. I understand that if the information provided in this Form is false, I may be subject to the penalties of perjury.

Print Name

Signature

Date

Contact the Compliance and Enforcement Branch at (202) 535-1934 for more information on lead hazard abatement measures. Information on lead hazard abatement may also be found on the following websites:

<http://www.ddoe.dc.gov/ddoe/cwp/view,a,1209,q,499488.asp>

<http://www.cdc.gov/lead/>

<http://www.epa.gov/opptintr/lead/>

<http://www.hud.gov/offices/lead/>

Please Note: This Notification Form is not a substitute for an abatement permit application.

Please submit ALL PERMIT APPLICATION MATERIALS to:

**DISTRICT DEPARTMENT OF THE ENVIRONMENT
LEAD AND HEALTHY HOUSING DIVISION
COMPLIANCE & ENFORCEMENT BRANCH
1200 FIRST STREET, N.E., 5th Floor
WASHINGTON, D.C. 20002
Attn: Permitting**

Or fax to: 202-481-3770

**Or email to: amber.sturdivant@dc.gov AND to williemae.miller@dc.gov
(All checks must be mailed or submitted in person to this office)**

INSTRUCTIONS FOR COMPLETING THE LEAD ABATEMENT PERMIT APPLICATION FORM

- **Permits are required for all lead abatement projects.**
- **Please read and follow these instructions when completing the application.**
- **TYPE OR PRINT all answers in ink.**

1. Check the type of application.
2. Provide the full address, including the street address, ward number, square and lot number, for property where the work will be performed.
3. Provide the name, address, and contact information for the property owner.
4. Describe the present use of the project property or structure -- for example, occupied residential housing, elementary school, childcare facility, vacant commercial building, or industrial structure.
5. Provide the approximate year the building or structure was built.
6. Provide the name, address and contact information for the project's general contractor.
7. Provide the name, address and contact information for the project's certified abatement contractor, as well as the contractor's D.C. business entity certification number and the expiration date. **ATTACH A COPY OF THE BUSINESS ENTITY'S CERTIFICATION CARD.**
8. Provide the name of the certified supervisor assigned to the project, the supervisor's D.C. lead certification number and expiration date, and the supervisor's contact information. **ATTACH A COPY OF THE SUPERVISOR'S CERTIFICATION CARD.**
9. Provide the project anticipated start, clearance and completion dates.
10. Provide the work schedule, including the days and times that work will be taking place at the project site.
11. Indicate the approximate square or linear footage of lead-based paint to be abated.
12. Describe the provisions for medical surveillance and worker protection.
13. Describe what is adjacent to the abatement project -- for example: single family residential housing, apartment building, commercial office space, playground, school; and describe the methods that will be used to prevent any dispersal of paint chips, dust, debris or residue onto these areas.
14. State the intended disposal site of the waste that will be generated. If hazardous waste will be generated, describe how you intend to comply with the D.C. Hazardous Waste Regulations. Call the Hazardous Materials Branch at (202) 535-2290 for information on D.C. hazardous waste management requirements.
15. State the amount of the contract to conduct the abatement. If the project involves work that is not considered an abatement activity, do not include that as part of the contract amount.
16. State the amount of abatement permit fee submitted. The permit fee equals \$40 plus three percent (3%) of the lead abatement project cost. If the contract is for \$5,000, of which \$2,000 is for lead abatement; then the total fee is $\$40.00 + \60.00 ($\$60.00 = 3\%$ of lead abatement project cost) = \$100.00.

NOTES: Provide a full description of the work to be performed, including the specific location of any known or presumed lead-based paint, and its condition (intact or non-intact). District of Columbia law defines “presumed lead-based paint” to include any “paint or other surface coating affixed to a component in or on a dwelling unit or child-occupied facility” built prior to 1978. The presumption that such paint is lead-based paint can only be rebutted by production of appropriate documentation from a certified lead inspector or risk assessor. **ATTACH A COPY OF DOCUMENTATION YOU WANT TO PRODUCE TO CONFIRM THAT PAINT INVOLVED IN THIS PROJECT IS NOT LEAD-BASED PAINT.**

Don’t forget to indicate the type of lead abatement method(s) to be used in this project: paint, dust, and/or soil removal, encapsulation or enclosure of paint, and/or the replacement of painted surfaces or fixtures.

Please be sure to sign and date the application, and include the required attachments. Upon review and approval of the application, a permit will be issued. The permit will be valid only for the duration of the project or for one year, whichever is less. Any change in start or completion dates, or scope of work, will require the submission of an amended Lead-Based Paint Activity Notification Form (see below: Lead-Based Paint Activity Notification Revision Form). The permit must be maintained at the project site at all times and available upon request from District Department of the Environment inspectors. **This application must be submitted at least seven (7) business days before the start of the abatement project.**

THE FOLLOWING ITEMS MUST BE ATTACHED WITH THE PERMIT APPLICATION

_____ **COPY OF CURRENT DEPARTMENT OF CONSUMER AND REGULATORY AFFAIRS (DCRA) BUSINESS LICENSE**

_____ **COPY OF ABATEMENT CONTRACTOR'S DISTRICT OF COLUMBIA LEAD-BASED PAINT BUSINESS ENTITY CERTIFICATION**

_____ **COPY OF SUPERVISOR'S DISTRICT OF COLUMBIA LEAD-BASED PAINT SUPERVISOR CERTIFICATION**

_____ **COPY OF CONTRACTOR'S CURRENT LIABILITY INSURANCE, INCLUDING PROOF OF PROFESSIONAL, ENVIRONMENTAL AND GENERAL LIABILITY COVERAGE**

_____ **COPY OF SIGNED CONTRACT FOR THE LEAD-BASED PAINT ACTIVITY, INCLUDING THE SCOPE OF WORK**

_____ **APPROPRIATE PERMIT FEE (make check or money order payable to the D.C. Treasurer; application fees are non-refundable)**

_____ **COPY OF ANY PERTINENT LEAD INSPECTION OR RISK ASSESSMENT REPORT**

_____ **COPY OF ANY PERTINENT NOTICE OF VIOLATION (if applicable)**

_____ **COMPLETED CLEAN HANDS SELF-CERTIFICATION FORM**

Please submit ALL PERMIT APPLICATION MATERIALS to:

**DISTRICT DEPARTMENT OF THE ENVIRONMENT
LEAD AND HEALTHY HOUSING DIVISION
COMPLIANCE & ENFORCEMENT BRANCH
1200 FIRST STREET, N.E., 5th Floor
WASHINGTON, D.C. 20002
Attn: Permitting**

Or fax to: 202-481-3770

Or email to: amber.sturdivant@dc.gov AND to williemae.miller@dc.gov

(All checks must be mailed or submitted in person to this office)



GOVERNMENT OF THE DISTRICT OF COLUMBIA
DISTRICT DEPARTMENT OF THE ENVIRONMENT
LEAD AND HEALTHY HOUSING DIVISION
COMPLIANCE & ENFORCEMENT BRANCH
1200 FIRST STREET, N.E., 5th Floor
WASHINGTON, D.C. 20002
(202) 535-1934

LEAD ABATEMENT PERMIT APPLICATION FORM

NOTE: Submit this form at least seven (7) business days before starting work.

-OFFICE USE ONLY-

DATE RECEIVED: _____

PERMIT NUMBER: _____

1. TYPE OF APPLICATION

INITIAL PERMIT ☐

RENEWAL ☐

2. PROPERTY LOCATION/ADDRESS: _____

SQUARE # _____ LOT # _____ WARD # _____

3. PROPERTY OWNER: _____

OWNER MAILING ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

TELEPHONE NUMBER: _____ FAX: _____ E-MAIL: _____

4. PRESENT USE OF PROPERTY/STRUCTURE: _____

5. APPROXIMATE DATE THE FACILITY/BUILDING/STRUCTURE WAS BUILT: _____

6. GENERAL CONTRACTOR: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

CONTACT NAME: _____ TELEPHONE NUMBER: _____

FAX: _____ E-MAIL: _____

Abatement Permit Application Form -- PAGE 2

7. ABATEMENT CONTRACTOR: _____

ADDRESS: _____

CITY: _____ STATE: _____ ZIP CODE: _____

CONTACT NAME: _____ TELEPHONE NUMBER: _____

FAX: _____ E-MAIL: _____

D.C. LEAD (BUSINESS ENTITY) CERTIFICATION NUMBER: _____ EXPIRATION DATE: _____

REMINDER: ATTACH A COPY OF THE BUSINESS ENTITY'S CERTIFICATION CARD

8. NAME OF SUPERVISOR ASSIGNED TO THE PROJECT: _____

SUPERVISOR'S D.C. LEAD CERTIFICATION NUMBER: _____ EXPIRATION DATE: _____

TELEPHONE NUMBER: _____ FAX: _____ E-MAIL: _____

REMINDER: ATTACH A COPY OF THE SUPERVISOR'S CERTIFICATION CARD

9. START/COMPLETION DATE(S) OF PROJECT (Reminder: You must provide this application to DDOE no less than seven (7) business days before the project starts.)

PROJECT START DATE: _____

PROJECTED PROJECT COMPLETION DATE: _____

PROJECTED CLEARANCE DATE: _____

REMINDER: ATTACH A COPY OF THE SCOPE OF WORK, AND ANY PERTINENT LEAD INSPECTION OR RISK ASSESSMENT REPORT, AND ANY PERTINENT NOTICE OF VIOLATION

10. DAYS (SPECIFY WHICH ONES) THAT WORK AT THE PROJECT SITE WILL OCCUR: _____

DURING THE FOLLOWING HOURS: FROM _____ A.M./P.M. TO _____ A.M./P.M.

11. APPROXIMATE AMOUNT OF LEAD-BASED PAINT OR LEAD-BASED PAINT HAZARDS (INCLUDING PRESUMED LEAD-BASED PAINT) TO BE ABATED (in square or linear feet):

Square Feet: _____

Linear Feet: _____

12. PROVISIONS FOR MEDICAL SURVEILLANCE AND WORKER PROTECTION:

PAGE 3

13. A DESCRIPTION OF AREAS IMMEDIATELY ADJACENT TO THE PROJECT SITE, INCLUDING NEIGHBORING PROPERTIES AND/OR PUBLIC SPACE, AND THE MEASURES THAT WILL BE TAKEN TO PREVENT ANY DISPERSAL OF PAINT CHIPS, DUST, DEBRIS, AND RESIDUE ONTO THESE AREAS:

14. MANNER IN WHICH THE WASTE CONTAINING LEAD WILL BE HANDLED AND DISPOSED OF, AND LOCATION OF THE DISPOSAL SITE **(FOR INFO, CONTACT DDOE'S HAZARDOUS MATERIALS BRANCH, AT 202-535-2290)**:

15. ESTIMATED OR ACTUAL COST OF ABATEMENT CONTRACT (COSTS OF ABATEMENT MEASURES ONLY):

\$ _____

16. FEE SUBMITTED FOR LEAD ABATEMENT PERMIT (\$40 + 3% of costs of abatement measures):

\$ _____

AFFIDAVIT

I certify that the above information is accurate, true, and correct to the best of my knowledge, and that all lead-based paint abatement will be conducted in accordance with all applicable work practice standards of Federal and District of Columbia laws, including the Occupational Safety and Health Administration ("OSHA") standards for lead in construction work found in 29 CFR § 1926.62, the United States Department of Housing and Urban Development Standards for Lead-Based Paint Evaluation and Hazard Activities found in 24 CFR Part 35, Subpart R; and the United States Environmental Protection Agency certification and training and work practice standards found in 40 CFR §§ 745.226 and 745.227. I also certify that all municipal solid and hazardous waste will be handled and disposed of in accordance with all applicable local, state, and federal laws. Finally, I attest that only appropriately D.C. certified individuals will be used for all abatement work; and that all employees performing non-abatement work involving lead-based paint or lead-based paint hazards have completed a U.S. HUD-approved course on lead-safe work practices; and that no outstanding debts are owed to the District of Columbia Government.

Signature of Contractor/Title

Date



GOVERNMENT OF THE DISTRICT OF COLUMBIA
DISTRICT DEPARTMENT OF THE ENVIRONMENT
LEAD AND HEALTHY HOUSING
COMPLIANCE & ENFORCEMENT BRANCH
1200 FIRST STREET, N.E., 5th Floor
WASHINGTON, D.C. 20002
(202) 535-1934

LEAD-BASED PAINT ACTIVITY NOTIFICATION REVISION FORM

-OFFICE USE ONLY-

DATE RECEIVED: _____ PERMIT NUMBER (IF APPLICABLE): _____
REVIEWED BY: _____ SIGNATURE: _____ DATE: _____

TYPE OR PRINT YOUR ANSWERS IN DARK INK

PERMIT OR NOTIFICATION NUMBER: _____

1. TYPE OF NOTIFICATION: Amendment/Project Change ☐ ☐ Cancellation ☐ ☐
2. PROPERTY ADDRESS: _____
3. PROJECT START/COMPLETION DATES: **Reminder: You must notify this office no less than seven (7) business days before project starts.**
START DATE: _____ END/COMPLETION DATE: _____
4. WORK HOURS: FROM _____ A.M./P.M. TO _____ A.M./P.M.
5. GENERAL CONTRACTOR: _____
ADDRESS: _____
TELEPHONE: _____
ABATEMENT CONTRACTOR: _____
ADDRESS: _____
TELEPHONE: _____
D.C. LEAD-BASED PAINT BUSINESS ENTITY CERTIFICATION NUMBER: _____
6. ABATEMENT SUPERVISOR: _____
D.C. LEAD-BASED PAINT SUPERVISOR CERTIFICATION NUMBER: _____
CONTACT NUMBERS: _____ TELEPHONE _____ CELL _____
7. CHANGES/EXPANSION TO THE SCOPE OF WORK, ASSOCIATED COST INCREASES AND EXPLAIN WHY THE EXTENSION IS REQUESTED:

ADDITIONAL PERMIT FEE (IF APPLICABLE): _____



**Government of the District of Columbia
District Department of the Environment
Lead and Healthy Housing
Compliance & Enforcement Branch**

CLEAN HANDS SELF-CERTIFICATION FORM

TO THE APPLICANT: Please read this form carefully and completely before signing. The District Government shall not issue or reissue any license or permit if the applicant owes it more than \$100 in outstanding debt. A false statement on this certification requires that the District Department of the Environment (DDOE), proceed immediately to revoke the certification, accreditation and/or permit or renewal for which you are now applying and fine you \$1,000. This certification form is required to be completed and submitted with any application for a certification, accreditation and/or permit or renewal by the Clean Hands Before Receiving a License or Permit Act of 1996, effective May 11, 1996 (DC Law 11-118, DC Official Code Sec. 47-2861 et seq.) as amended, effective October 21, 2000 (DC Law 13-183, sec. 2(b), DC Code sec. 47-2861 et. seq.).

I, _____, as _____ certify that _____
(Name) (Owner/Partner/Corporate Office) (Business Name)

trading as _____ at _____ using business tax number _____,
(Trade Name) (Business Address) (FEIN/SSN)

As of the date, does not owe more than more than one hundred dollars (\$100) in outstanding debt to the District of Columbia government as a result of:

1. Fines, penalties, or interest assessed pursuant to the Lead-Hazard Prevention and Elimination Act of 2008, DC Law 17-381, effective March 31, 2009, as amended by the Lead-Hazard Prevention and Elimination Amendment Act of 2010, D.C. Law 18-348, effective March 31, 2011 ("Act") D.C. Official Code § 8-231.01 *et seq.* (2011); or
2. Fines, penalties, or interest assessed pursuant to the Litter Control Administration Action of 1985, effective March 25, 1986, (DC Law 6-100; DC Code Sec. 8-801 (et seq.) (2001 ed.); or
3. Fines, penalties, or interest assessed pursuant to the Illegal Dumping Enforcement Act of 1994, effective May 20, 1994 (DC Law 10-117; DC Code Sec. 8-901 (et seq.) (2001 ed.); or
4. Fines, penalties, or interest assessed pursuant to the Department of Consumer and Regulatory Affairs (DCRA) Civil Infraction Act of 1985, effective October 5, 1985 (DC Law 6-42; DC Code Sec. 2-1801.01 (et. seq.) (2001 ed.); or
5. Past Due Taxes owed to the Office of Tax and Revenue pursuant to Title 47 of the DC Code; or
6. Past due District of Columbia Water and Sewer Authority service fees pursuant to Title 34 Chapter 22 and 24 of the DC Code (2001 ed.); or
7. Fines, penalties or interest assessed pursuant to Traffic Adjudication Act, Title 50, Chapter 23, of the DC Code (2001 ed.)

I understand that a signed and dated *Clean Hands Self-Certification Form* is required as documentation to accompany my application for a certification, accreditation and/or permit or renewal. I understand that by completing and submitting this form, I am not guaranteed that my certification, accreditation and/or permit or renewal will be approved.


I understand that the District Department of the Environment (DDOE) and/or the Department of Consumer and Regulatory Affairs (DCRA) may conduct an investigation to ascertain the veracity of the information contained in this *Clean Hands Self-Certification Form*.

I understand that if I knowingly provide false information on this Clean Hands Self-Certification Form, DDOE, will proceed immediately to revoke each certification, accreditation and/or permit or renewal for which I am applying, and to fine me one thousand dollars (\$1,000).

SIGNATURE OF APPLICANT and TITLE

FEN/SSN

DATE

SEND COMPLETED FORM TO: The Appropriate State or Regional Office.	United States Environmental Protection Agency RCRA SUBTITLE C SITE IDENTIFICATION FORM		
1. Reason for Submittal MARK ALL BOX(ES) THAT APPLY	Reason for Submittal: <input type="checkbox"/> To provide an Initial Notification (first time submitting site identification information / to obtain an EPA ID number for this location) <input type="checkbox"/> To provide a Subsequent Notification (to update site identification information for this location) <input type="checkbox"/> As a component of a First RCRA Hazardous Waste Part A Permit Application <input type="checkbox"/> As a component of a Revised RCRA Hazardous Waste Part A Permit Application (Amendment # _____) <input type="checkbox"/> As a component of the Hazardous Waste Report (If marked, see sub-bullet below) <input type="checkbox"/> Site was a TSD facility and/or generator of $\geq 1,000$ kg of hazardous waste, >1 kg of acute hazardous waste, or >100 kg of acute hazardous waste spill cleanup <u>in one or more months</u> of the report year (or State equivalent LQG regulations)		
2. Site EPA ID Number	EPA ID Number <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		
3. Site Name	Name: <input type="text"/>		
4. Site Location Information	Street Address: <input type="text"/>		
	City, Town, or Village: <input type="text"/>		County: <input type="text"/>
	State: <input type="text"/>	Country: <input type="text"/>	Zip Code: <input type="text"/>
5. Site Land Type	<input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		
6. NAICS Code(s) for the Site (at least 5-digit codes)	A. <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		C. <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
	B. <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>		D. <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/> <input type="text"/>
7. Site Mailing Address	Street or P.O. Box: <input type="text"/>		
	City, Town, or Village: <input type="text"/>		
	State: <input type="text"/>	Country: <input type="text"/>	Zip Code: <input type="text"/>
8. Site Contact Person	First Name: <input type="text"/>		MI: <input type="text"/> Last: <input type="text"/>
	Title: <input type="text"/>		
	Street or P.O. Box: <input type="text"/>		
	City, Town or Village: <input type="text"/>		
	State: <input type="text"/>	Country: <input type="text"/>	Zip Code: <input type="text"/>
	Email: <input type="text"/>		
	Phone: <input type="text"/>	Ext.: <input type="text"/>	Fax: <input type="text"/>
9. Legal Owner and Operator of the Site	A. Name of Site's Legal Owner: <input type="text"/>		Date Became Owner: <input type="text"/>
	Owner Type: <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		
	Street or P.O. Box: <input type="text"/>		
	City, Town, or Village: <input type="text"/>		Phone: <input type="text"/>
	State: <input type="text"/>	Country: <input type="text"/>	Zip Code: <input type="text"/>
	B. Name of Site's Operator: <input type="text"/>		Date Became Operator: <input type="text"/>
	Operator Type: <input type="checkbox"/> Private <input type="checkbox"/> County <input type="checkbox"/> District <input type="checkbox"/> Federal <input type="checkbox"/> Tribal <input type="checkbox"/> Municipal <input type="checkbox"/> State <input type="checkbox"/> Other		

10. Type of Regulated Waste Activity (at your site)Mark "Yes" or "No" for all current activities (as of the date submitting the form); complete any additional boxes as instructed.**A. Hazardous Waste Activities; Complete all parts 1-7.**Y ☐ N ☐**1. Generator of Hazardous Waste**

If "Yes", mark only one of the following – a, b, or c.

- ☐ a. LQG: Generates, in any calendar month, 1,000 kg/mo (2,200 lbs./mo.) or more of hazardous waste; **or** Generates, in any calendar month, or accumulates at any time, more than 1 kg/mo (2.2 lbs./mo) of acute hazardous waste; **or** Generates, in any calendar month, **or** accumulates at any time, more than 100 kg/mo (220 lbs./mo) of acute hazardous spill cleanup material.
- ☐ b. SQG: 100 to 1,000 kg/mo (220 – 2,200 lbs./mo) of non-acute hazardous waste.
- ☐ c. CESQG: Less than 100 kg/mo (220 lbs./mo) of non-acute hazardous waste.

If "Yes" above, indicate other generator activities.

Y ☐ N ☐

- d. Short-Term Generator (generate from a short-term or one-time event and not from on-going processes). If "Yes", provide an explanation in the Comments section.

Y ☐ N ☐

- e. United States Importer of Hazardous Waste

Y ☐ N ☐

- f. Mixed Waste (hazardous and radioactive) Generator

Y ☐ N ☐**2. Transporter of Hazardous Waste**

If "Yes", mark all that apply.

- ☐ a. Transporter
- ☐ b. Transfer Facility (at your site)

Y ☐ N ☐**3. Treater, Storer, or Disposer of****Hazardous Waste** Note: A hazardous waste permit is required for these activities.Y ☐ N ☐**4. Recycler of Hazardous Waste**Y ☐ N ☐**5. Exempt Boiler and/or Industrial Furnace**
If "Yes", mark all that apply.

- ☐ a. Small Quantity On-site Burner Exemption
- ☐ b. Smelting, Melting, and Refining Furnace Exemption

Y ☐ N ☐**6. Underground Injection Control**Y ☐ N ☐**7. Receives Hazardous Waste from Off-site****B. Universal Waste Activities; Complete all parts 1-2.**Y ☐ N ☐**1. Large Quantity Handler of Universal Waste (you accumulate 5,000 kg or more) [refer to your State regulations to determine what is regulated]. Indicate types of universal waste managed at your site. If "Yes", mark all that apply.**

- a. Batteries ☐
- b. Pesticides ☐
- c. Mercury containing equipment ☐
- d. Lamps ☐
- e. Other (specify) _____ ☐
- f. Other (specify) _____ ☐
- g. Other (specify) _____ ☐

Y ☐ N ☐**2. Destination Facility for Universal Waste****Note:** A hazardous waste permit may be required for this activity.**C. Used Oil Activities; Complete all parts 1-4.**Y ☐ N ☐**1. Used Oil Transporter**

If "Yes", mark all that apply.

- ☐ a. Transporter
- ☐ b. Transfer Facility (at your site)

Y ☐ N ☐**2. Used Oil Processor and/or Re-refiner**

If "Yes", mark all that apply.

- ☐ a. Processor
- ☐ b. Re-refiner

Y ☐ N ☐**3. Off-Specification Used Oil Burner**Y ☐ N ☐**4. Used Oil Fuel Marketer**

If "Yes", mark all that apply.

- ☐ a. Marketer Who Directs Shipment of Off-Specification Used Oil to Off-Specification Used Oil Burner
- ☐ b. Marketer Who First Claims the Used Oil Meets the Specifications

D. Eligible Academic Entities with Laboratories—Notification for opting into or withdrawing from managing laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

- ❖ You must check with your State to determine if you are eligible to manage laboratory hazardous wastes pursuant to 40 CFR Part 262 Subpart K

- ☐ 1. Opting into or currently operating under 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories
See the item-by-item instructions for definitions of types of eligible academic entities. Mark all that apply:
- ☐ a. College or University
- ☐ b. Teaching Hospital that is owned by or has a formal written affiliation agreement with a college or university
- ☐ c. Non-profit Institute that is owned by or has a formal written affiliation agreement with a college or university
- ☐ 2. Withdrawing from 40 CFR Part 262 Subpart K for the management of hazardous wastes in laboratories

11. Description of Hazardous Waste

A. Waste Codes for Federally Regulated Hazardous Wastes. Please list the waste codes of the Federal hazardous wastes handled at your site. List them in the order they are presented in the regulations (e.g., D001, D003, F007, U112). Use an additional page if more spaces are needed.

[illegible]

B. Waste Codes for State-Regulated (i.e., non-Federal) Hazardous Wastes. Please list the waste codes of the State-Regulated hazardous wastes handled at your site. List them in the order they are presented in the regulations. Use an additional page if more spaces are needed.

[illegible]



**ADDENDUM TO THE SITE IDENTIFICATION FORM:
NOTIFICATION OF HAZARDOUS SECONDARY MATERIAL ACTIVITY**

- ❖ You must check with your State to determine if you are eligible to manage hazardous secondary material under 40 CFR 261.2(a)(2)(iii), 261.4(a)(23), (24), or (25). (See also <http://www.epa.gov/epawaste/hazard/dsw/statespf.htm>.)
- ❖ You must be managing hazardous secondary material, which is secondary material (e.g., spent material, by-product, or sludge) that when discarded, would be identified as hazardous waste under 40 CFR Part 261. Do not include any information regarding your hazardous wastes in this section.
- ❖ You must submit a completed Site Identification Form, including this Addendum, prior to operating under the exclusion(s) and by March 1 of each even-numbered year thereafter to your regulatory authority using the Site Identification Form as pursuant to 40 CFR 260.42. Persons who must satisfy this notification requirement can submit information at the same time as their Biennial Report (which is also due by March 1 of each even-numbered year).
- ❖ If you stop managing hazardous secondary material in accordance with the exclusions(s) and do not expect to manage any amount of hazardous secondary material under the exclusions(s) for at least one year, you must also submit a completed Site Identification Form, including this Addendum, within thirty (30) days pursuant to 40 CFR 260.42.

☐ Notifying that the facility will begin managing hazardous secondary material as of _____ (mm/dd/yyyy).

☐ Re-notifying that the facility is still managing hazardous secondary material.

☐ Notifying that the facility has stopped managing hazardous secondary material as of _____ (mm/dd/yyyy).

2. Description of hazardous secondary material (HSM) activity. Please list the appropriate codes and quantities in **short tons** to describe your hazardous secondary material activity ONLY (do not include any information regarding your hazardous wastes in this section). Use additional pages if more space is needed.

[illegible]

3. Facility has financial assurance pursuant to 40 CFR 261 Subpart H. (Financial assurance is required for reclaimers and intermediate facilities managing hazardous secondary material under 40 CFR 261.4(a)(24) and (25))

Y ☐ N ☐ Does this facility have financial assurance pursuant to 40 CFR 261 Subpart H?



Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: ECS Chantilly
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
R1	Roof Tar	None Detected		100% Other	Black Non Fibrous Homogeneous
1301727PLM_1					Dissolved
R2	Roof Tar	None Detected		100% Other	Black Non Fibrous Homogeneous
1301727PLM_2					Dissolved
R3	Roof Tar	None Detected		100% Other	Black Non Fibrous Homogeneous
1301727PLM_3					Dissolved
R4	Roof Patch	None Detected	3% Cellulose	97% Other	Black Non Fibrous Heterogeneous
1301727PLM_4					Dissolved
R5	Roof Patch	None Detected	4% Cellulose	96% Other	Black Non Fibrous Heterogeneous
1301727PLM_5					Dissolved
R6	Roof Patch	None Detected	3% Cellulose	97% Other	Black Non Fibrous Heterogeneous
1301727PLM_6					Dissolved
R7	Roof Exterior Door Caulk	4% Chrysotile		96% Other	Gray, Tan Non Fibrous Heterogeneous
1301727PLM_7					Crushed
R8	Roof Exterior Door Caulk	Not Analyzed			
1301727PLM_8					

Disclaimer: Due to the nature of the EPA 600 method, asbestos may not be detected in samples containing low levels of asbestos. We strongly recommended that analysis of floor tiles, vermiculite, and/or heterogeneous soil samples be conducted by TEM for confirmation of "None Detected" by PLM. This report relates only to the samples tested and may not be reproduced, except in full, without the written approval of SAI. This report may not be used by the client to claim product endorsement by NVLAP or any other agency of the U.S. government. Estimated MDL is 0.1%.

Dorlos Ammerman (245)

Analyst

Scientific Analytical Institute, Inc. 4604 Dundas Dr. Greensboro, NC 27407 (336) 292-3888

Nathaniel Durham, MS or Approved Signatory

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: ECS Chantilly
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
R9	Roof Exterior Door Caulk	Not Analyzed			
1301727PLM_9					
R10	Brown Roof Flashing Sealant	None Detected	5% Cellulose	95% Other	Black, Brown Non Fibrous Heterogeneous
1301727PLM_10					Ashed
R11	Brown Roof Flashing Sealant	None Detected	5% Cellulose	95% Other	Black, Brown Non Fibrous Heterogeneous
1301727PLM_11					Ashed
R12	Brown Roof Flashing Sealant	None Detected	5% Cellulose	95% Other	Black, Brown Non Fibrous Heterogeneous
1301727PLM_12					Ashed
R13	Black w/Small Gravel Roof Membrane (Top Layer)	None Detected	15% Fiber Glass	85% Other	Gray, Black Fibrous Heterogeneous
1301727PLM_13					Dissolved
R14	Black w/Small Gravel Roof Membrane (Top Layer)	None Detected	15% Fiber Glass	85% Other	Gray, Black Fibrous Heterogeneous
1301727PLM_14					Dissolved
R15	Black w/Small Gravel Roof Membrane (Top Layer)	None Detected	15% Fiber Glass	85% Other	Gray, Black Fibrous Heterogeneous
1301727PLM_15					Dissolved
R16	Roof Felt w/Tar (2nd Layer)	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous
1301727PLM_16					Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: ECS Chantilly
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
R17	Roof Felt w/Tar (2nd Layer)	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous
1301727PLM_17					Dissolved
R18	Roof Felt w/Tar (2nd Layer)	None Detected	20% Fiber Glass	80% Other	Black Fibrous Heterogeneous
1301727PLM_18					Dissolved
R19	Roof Brown Insulation (Bottom Layer)	None Detected	60% Cellulose	40% Other	Brown Fibrous Heterogeneous
1301727PLM_19					Crushed
R20	Roof Brown Insulation (Bottom Layer)	None Detected	60% Cellulose	40% Other	Brown Fibrous Heterogeneous
1301727PLM_20					Crushed
R21	Roof Brown Insulation (Bottom Layer)	None Detected	60% Cellulose	40% Other	Brown Fibrous Heterogeneous
1301727PLM_21					Crushed
R22	Roof Flashing (Top Layer)	None Detected	5% Fiber Glass	95% Other	Black Non Fibrous Heterogeneous
1301727PLM_22					Dissolved
R23	Roof Flashing (Top Layer)	None Detected	5% Fiber Glass	95% Other	Black Non Fibrous Heterogeneous
1301727PLM_23					Dissolved
R24	Roof Flashing (Top Layer)	None Detected	5% Fiber Glass	95% Other	Black Non Fibrous Heterogeneous
1301727PLM_24					Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
R25	Roof Flashing (Underlayer)	None Detected	10% Fiber Glass	90% Other	Black Fibrous Heterogeneous
1301727PLM_25					Dissolved
R26	Roof Flashing (Underlayer)	None Detected	10% Fiber Glass	90% Other	Black Fibrous Heterogeneous
1301727PLM_26					Dissolved
R27	Roof Flashing (Underlayer)	None Detected	10% Cellulose 10% Fiber Glass	80% Other	Black Fibrous Heterogeneous
1301727PLM_27					Dissolved
R28	Pitch Pocket	None Detected	25% Cellulose 5% Fiber Glass	70% Other	Black Fibrous Heterogeneous
1301727PLM_28					Dissolved
R29	Pitch Pocket	None Detected	25% Cellulose 5% Fiber Glass	70% Other	Black Fibrous Heterogeneous
1301727PLM_29					Dissolved
R30	Pitch Pocket	None Detected	25% Cellulose 5% Fiber Glass	70% Other	Black Fibrous Heterogeneous
1301727PLM_30					Dissolved
31 - A	12"x12" Greenish Gray Floor Tile & Black Mastic	3% Chrysotile		97% Other	Green Non Fibrous Heterogeneous
1301727PLM_31	tile				Dissolved
31 - B	12"x12" Greenish Gray Floor Tile & Black Mastic	5% Chrysotile		95% Other	Black Non Fibrous Heterogeneous
1301727PLM_194	mastic				Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
32 - A	12"x12" Greenish Gray Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_32	tile				
32 - B	12"x12" Greenish Gray Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_195	mastic				
33 - A	12"x12" Greenish Gray Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_33	tile				
33 - B	12"x12" Greenish Gray Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_196	mastic				
34 - A	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_34	tile				Dissolved
34 - B	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	5% Chrysotile		95% Other	Yellow, Black Non Fibrous Heterogeneous
1301727PLM_197	mixed mastics				Dissolved
35 - A	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_35	tile				Dissolved
35 - B	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	Not Analyzed			
1301727PLM_198	mixed mastics				

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
36 - A	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_36	tile				Dissolved
36 - B	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic	Not Analyzed			
1301727PLM_199	mixed mastics				
37 - A	12"x12" Beige Flecked Floor Tile & Black Mastic	4% Chrysotile		96% Other	Beige Non Fibrous Heterogeneous
1301727PLM_37	tile				Dissolved
37 - B	12"x12" Beige Flecked Floor Tile & Black Mastic	5% Chrysotile		95% Other	Black Non Fibrous Heterogeneous
1301727PLM_200	mastic				Dissolved
38 - A	12"x12" Beige Flecked Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_38	tile				
38 - B	12"x12" Beige Flecked Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_201	mastic				
39 - A	12"x12" Beige Flecked Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_39	tile				
39 - B	12"x12" Beige Flecked Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_202	mastic				

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Bulk Asbestos Analysis

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EPA Method: 600/R-93/116 and 600/M4-82-020



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Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
40 - A	4" Brown Cove Base & Brown Mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
1301727PLM_40	covebase				Ashed
40 - B	4" Brown Cove Base & Brown Mastic	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_203	mastic				Dissolved
41 - A	4" Brown Cove Base & Brown Mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
1301727PLM_41	covebase				Ashed
41 - B	4" Brown Cove Base & Brown Mastic	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_204	mastic				Dissolved
42 - A	4" Brown Cove Base & Brown Mastic	None Detected		100% Other	Brown Non Fibrous Homogeneous
1301727PLM_42	covebase				Ashed
42 - B	4" Brown Cove Base & Brown Mastic	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_205	mastic				Dissolved
43 - A	Mudded Tank Insulation & Jacket	None Detected	80% Cellulose	20% Other	Gray Fibrous Heterogeneous
1301727PLM_43	wrap				Dissolved
43 - B	Mudded Tank Insulation & Jacket	None Detected	35% Mineral Wool	65% Other	Gray Fibrous Heterogeneous
1301727PLM_206	insulation				Crushed

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Bulk Asbestos Analysis

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EPA Method: 600/R-93/116 and 600/M4-82-020



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Lab Order ID: 1301727

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Date Received: 2/4/2013

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Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
44 - A	Mudded Tank Insulation & Jacket	None Detected		100% Other	Black, Gray Non Fibrous Heterogeneous
1301727PLM_44	wrap				Dissolved
44 - B	Mudded Tank Insulation & Jacket	None Detected	35% Mineral Wool	65% Other	Tan, Gray Fibrous Heterogeneous
1301727PLM_207	insulation				Crushed
45 - A	Mudded Tank Insulation & Jacket	None Detected	70% Cellulose	30% Other	Gray Fibrous Heterogeneous
1301727PLM_45	wrap				Dissolved
45 - B	Mudded Tank Insulation & Jacket	None Detected	35% Mineral Wool	65% Other	Gray Fibrous Heterogeneous
1301727PLM_208	insulation				Crushed
46 - A	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	None Detected		100% Other	Beige Non Fibrous Homogeneous
1301727PLM_46	mastic				Dissolved
46 - B	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	None Detected	80% Fiber Glass	20% Other	Tan Fibrous Heterogeneous
1301727PLM_209	wrap				Teased
47 - A	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	None Detected		100% Other	Beige Non Fibrous Homogeneous
1301727PLM_47	mastic				Dissolved
47 - B	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	None Detected	80% Fiber Glass	20% Other	Tan Fibrous Heterogeneous
1301727PLM_210	wrap				Teased

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
48 - A	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	None Detected		100% Other	Beige Non Fibrous Homogeneous
1301727PLM_48	mastic				Dissolved
48 - B	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)	None Detected	80% Fiber Glass	20% Other	Tan Fibrous Heterogeneous
1301727PLM_211	wrap				Teased
49	Beige Mastic & Jacket on Fiberglass 2" Pipe Bridging Insulation	5% Chrysotile	50% Fiber Glass	45% Other	Tan Fibrous Heterogeneous
1301727PLM_49	mastic/wrap-unable to separate				Dissolved
50	Beige Mastic & Jacket on Fiberglass 2" Pipe Bridging Insulation	Not Analyzed			
1301727PLM_50					
51	Beige Mastic & Jacket on Fiberglass 2" Pipe Bridging Insulation	Not Analyzed			
1301727PLM_51					
52	White Mastic & Jacket on Fiberglass 12" Pipe Bridging Insulation	None Detected	5% Wollastonite	95% Other	White Non Fibrous Heterogeneous
1301727PLM_52	mastic on fiberglass				Dissolved
53	White Mastic & Jacket on Fiberglass 12" Pipe Bridging Insulation	None Detected	5% Wollastonite	95% Other	White Non Fibrous Heterogeneous
1301727PLM_53	mastic on fiberglass				Dissolved
54	White Mastic & Jacket on Fiberglass 12" Pipe Bridging Insulation	None Detected	5% Wollastonite	95% Other	White Non Fibrous Heterogeneous
1301727PLM_54	mastic on fiberglass				Dissolved

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Bulk Asbestos Analysis

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
55	White Jacket on Fiberglass Duct Insulation	None Detected	70% Cellulose	30% Other	Tan, White Fibrous Heterogeneous
1301727PLM_55	mastic/wrap				Dissolved
56	White Jacket on Fiberglass Duct Insulation	None Detected	70% Cellulose	30% Other	Tan, White Fibrous Heterogeneous
1301727PLM_56	mastic/wrap				Dissolved
57	White Jacket on Fiberglass Duct Insulation	None Detected	70% Cellulose	30% Other	Tan, White Fibrous Heterogeneous
1301727PLM_57	mastic/wrap				Dissolved
58 - A	White Mastic, Jacket & Black Insulation on 1' Vertical Tank	None Detected	70% Cellulose	30% Other	White Fibrous Heterogeneous
1301727PLM_58	mastic/wrap				Dissolved
58 - B	White Mastic, Jacket & Black Insulation on 1' Vertical Tank	None Detected	60% Cellulose	40% Other	Black Fibrous Heterogeneous
1301727PLM_212	insulation				Dissolved
59 - A	White Mastic, Jacket & Black Insulation on 1' Vertical Tank	None Detected	70% Cellulose	30% Other	White Fibrous Heterogeneous
1301727PLM_59	mastic/wrap				Dissolved
59 - B	White Mastic, Jacket & Black Insulation on 1' Vertical Tank	None Detected	60% Cellulose	40% Other	Black Fibrous Heterogeneous
1301727PLM_213	insulation				Dissolved
60	White Mastic, Jacket & Black Insulation on 1' Vertical Tank	None Detected	70% Cellulose	30% Other	White Fibrous Heterogeneous
1301727PLM_60	mastic/wrap only				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
61 - A	White Mastic, Jacket & Black Insulation on 2' Vertical Tank	None Detected	70% Cellulose	30% Other	White Fibrous Heterogeneous
1301727PLM_61	mastic/wrap				Dissolved
61 - B	White Mastic, Jacket & Black Insulation on 2' Vertical Tank	None Detected	60% Cellulose	40% Other	Black Fibrous Heterogeneous
1301727PLM_214	insulation				Dissolved
62 - A	Mudded Insulation on Side of 2' Vertical Tank	None Detected	70% Cellulose	30% Other	Tan, White Fibrous Heterogeneous
1301727PLM_62	mastic/wrap				Dissolved
62 - B	Mudded Insulation on Side of 2' Vertical Tank	None Detected	40% Mineral Wool	60% Other	Tan Fibrous Heterogeneous
1301727PLM_215	insulation				Crushed
63 - A	Mudded Insulation on Side of 2' Vertical Tank	None Detected	70% Cellulose	30% Other	White Fibrous Heterogeneous
1301727PLM_63	mastic/wrap				Dissolved
63 - B	Mudded Insulation on Side of 2' Vertical Tank	None Detected	35% Mineral Wool	65% Other	Tan Fibrous Heterogeneous
1301727PLM_216	tan insulation				Crushed
63 - C	Mudded Insulation on Side of 2' Vertical Tank	None Detected	60% Cellulose	40% Other	Black Fibrous Heterogeneous
1301727PLM_217	black insulation				Dissolved
64 - A	White Mastic, Jacket & Black Insulation on 4' Horizontal Tank	None Detected	70% Cellulose	30% Other	White Fibrous Heterogeneous
1301727PLM_64	mastic/wrap				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
64 - B	White Mastic, Jacket & Black Insulation on 4' Horizontal Tank	None Detected	60% Cellulose	40% Other	Black Fibrous Heterogeneous
1301727PLM_218	insulation				Dissolved
65 - A	Mudded Insulation on Side of 4' Horizontal Tank	None Detected	70% Cellulose	30% Other	White Fibrous Heterogeneous
1301727PLM_65	wrap/mastic				Dissolved
65 - B	Mudded Insulation on Side of 4' Horizontal Tank	None Detected	35% Mineral Wool	65% Other	Tan Fibrous Heterogeneous
1301727PLM_219	tan insulation				Crushed
65 - C	Mudded Insulation on Side of 4' Horizontal Tank	None Detected	60% Cellulose	40% Other	Black Fibrous Heterogeneous
1301727PLM_220	black insulation				Dissolved
66 - A	Mudded Insulation on Side of 4' Horizontal Tank	None Detected	70% Cellulose	30% Other	White Fibrous Heterogeneous
1301727PLM_66	mastic/wrap				Dissolved
66 - B	Mudded Insulation on Side of 4' Horizontal Tank	None Detected	35% Mineral Wool	65% Other	Tan Fibrous Heterogeneous
1301727PLM_221	tan insulation				Crushed
67	Fireproofing	None Detected	50% Fiber Glass	50% Other	Gray Fibrous Heterogeneous
1301727PLM_67					Crushed
68	Fireproofing	None Detected	50% Fiber Glass	50% Other	Gray Fibrous Heterogeneous
1301727PLM_68					Crushed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: ECS Chantilly
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
69	Fireproofing	None Detected	50% Fiber Glass	50% Other	Gray Fibrous Heterogeneous
1301727PLM_69					Crushed
70	Fireproofing	None Detected	50% Fiber Glass	50% Other	Gray Fibrous Heterogeneous
1301727PLM_70					Crushed
71	Fireproofing	None Detected	50% Fiber Glass	50% Other	Gray Fibrous Heterogeneous
1301727PLM_71					Crushed
72	Fireproofing	None Detected	50% Fiber Glass	50% Other	Gray Fibrous Heterogeneous
1301727PLM_72					Crushed
73	Fireproofing	None Detected	50% Fiber Glass	50% Other	Gray Fibrous Heterogeneous
1301727PLM_73					Crushed
74	Beige Mastic on Fiberglass Pipe Bridging Insulation (COND/WP Pipelines)	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1301727PLM_74					Dissolved
75	Beige Mastic on Fiberglass Pipe Bridging Insulation (COND/WP Pipelines)	4% Chrysotile		96% Other	Beige Non Fibrous Heterogeneous
1301727PLM_75					Dissolved
76	Beige Mastic on Fiberglass Pipe Bridging Insulation (COND/WP Pipelines)	Not Analyzed			
1301727PLM_76					

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Bulk Asbestos Analysis

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EPA Method: 600/R-93/116 and 600/M4-82-020



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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
77	Brown Cloth Duct Vibration Damper	None Detected	90% Cellulose	10% Other	Brown Fibrous Heterogeneous
1301727PLM_77					Teased
78	Brown Cloth Duct Vibration Damper	None Detected	90% Cellulose	10% Other	Brown Fibrous Heterogeneous
1301727PLM_78					Teased
79	Brown Cloth Duct Vibration Damper	None Detected	90% Cellulose	10% Other	Brown Fibrous Heterogeneous
1301727PLM_79					Teased
80	White Interior Door Caulk	4% Chrysotile		96% Other	Tan Non Fibrous Heterogeneous
1301727PLM_80					Crushed
81	White Interior Door Caulk	Not Analyzed			
1301727PLM_81					
82	White Interior Door Caulk	Not Analyzed			
1301727PLM_82					
83 - A	Mudded Insulation (Fire Control Room)	None Detected	70% Cellulose	30% Other	Tan Fibrous Heterogeneous
1301727PLM_83	mastic/wrap				Dissolved
83 - B	Mudded Insulation (Fire Control Room)	None Detected	25% Cellulose	75% Other	Tan Fibrous Heterogeneous
1301727PLM_222	insulation				Crushed

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EPA Method: 600/R-93/116 and 600/M4-82-020



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Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
84 - A	Mudded Insulation (Fire Control Room)	None Detected	80% Cellulose	20% Other	Tan Fibrous Heterogeneous
1301727PLM_84	mastic/wrap				Dissolved
84 - B	Mudded Insulation (Fire Control Room)	None Detected	30% Mineral Wool 10% Cellulose	60% Other	Tan Fibrous Heterogeneous
1301727PLM_223	insulation				Crushed
85 - A	Mudded Insulation (Fire Control Room)	None Detected	80% Cellulose	20% Other	Tan Fibrous Heterogeneous
1301727PLM_85	mastic/wrap				Dissolved
85 - B	Mudded Insulation (Fire Control Room)	None Detected	30% Mineral Wool 10% Cellulose	60% Other	Tan Fibrous Heterogeneous
1301727PLM_224	insulation				Crushed
86 - A	4" Black Cove base & Cream/Black/Brown Mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
1301727PLM_86	covebase				Ashed
86 - B	4" Black Cove base & Cream/Black/Brown Mastic	None Detected		100% Other	Brown, Black, Cream Non Fibrous Heterogeneous
1301727PLM_225	mixed mastics				Dissolved
87 - A	4" Black Cove base & Cream/Black/Brown Mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
1301727PLM_87	covebase				Ashed
87 - B	4" Black Cove base & Cream/Black/Brown Mastic	None Detected		100% Other	Brown, Black, Cream Non Fibrous Heterogeneous
1301727PLM_226	mixed mastics				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
88 - A	4" Black Cove base & Cream/Black/Brown Mastic	None Detected		100% Other	Black Non Fibrous Homogeneous
1301727PLM_88	covebase				Ashed
88 - B	4" Black Cove base & Cream/Black/Brown Mastic	None Detected		100% Other	Brown, Black, Cream Non Fibrous Heterogeneous
1301727PLM_227	mixed mastics				Dissolved
89 - A	6" Green Cove Base & Brown Mastic	None Detected		100% Other	Green Non Fibrous Homogeneous
1301727PLM_89	covebase				Ashed
89 - B	6" Green Cove Base & Brown Mastic	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_228	mixed mastics				Dissolved
90 - A	6" Green Cove Base & Brown Mastic	None Detected		100% Other	Green Non Fibrous Homogeneous
1301727PLM_90	covebase				Ashed
90 - B	6" Green Cove Base & Brown Mastic	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_229	mixed mastics				Dissolved
91 - A	6" Green Cove Base & Brown Mastic	None Detected		100% Other	Green Non Fibrous Homogeneous
1301727PLM_91	covebase				Ashed
91 - B	6" Green Cove Base & Brown Mastic	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_230	mastics				Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
92	2'x4' White Fissured Ceiling Tile	None Detected	60% Cellulose 20% Fiber Glass	10% Perlite 10% Other	Gray, White Fibrous Heterogeneous
1301727PLM_92					Crushed
93	2'x4' White Fissured Ceiling Tile	None Detected	60% Cellulose 20% Fiber Glass	10% Perlite 10% Other	Gray, White Fibrous Heterogeneous
1301727PLM_93					Crushed
94	2'x4' White Fissured Ceiling Tile	5% Amosite	75% Mineral Wool	20% Other	White Fibrous Heterogeneous
1301727PLM_94					Crushed
95	Beige mastic on Fiberglass Duct Insulation	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1301727PLM_95					Dissolved
96	Beige mastic on Fiberglass Duct Insulation	None Detected	30% Cellulose 10% Fiber Glass	60% Other	Beige Non Fibrous Heterogeneous
1301727PLM_96	mastic/wrap				Dissolved
97	Beige mastic on Fiberglass Duct Insulation	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1301727PLM_97					Dissolved
98	Dark Brown Mastic on Metal Duct Pin	10% Chrysotile		90% Other	Brown Non Fibrous Heterogeneous
1301727PLM_98					Dissolved
99	Light Brown Mastic on Metal Duct Pin	10% Chrysotile		90% Other	Brown Non Fibrous Heterogeneous
1301727PLM_99					Dissolved

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
100	Beige Mastic on Metal Duct Pin	8% Chrysotile		92% Other	Beige Non Fibrous Heterogeneous
1301727PLM_100					Dissolved
101	Beige Mastic on Fiberglass Pipe Insulation	None Detected	30% Cellulose 10% Fiber Glass	60% Other	Beige Fibrous Heterogeneous
1301727PLM_101	mastic/wrap				Dissolved
102	Beige Mastic on Fiberglass Pipe Insulation	None Detected	30% Cellulose 10% Fiber Glass	60% Other	Beige Fibrous Heterogeneous
1301727PLM_102	mastic/wrap				Dissolved
103	Beige Mastic on Fiberglass Pipe Insulation	None Detected	30% Cellulose 10% Fiber Glass	60% Other	Beige Fibrous Heterogeneous
1301727PLM_103	mastic/wrap				Dissolved
104	1'x1' White Fissured Ceiling Tile	None Detected	80% Mineral Wool	20% Other	White Fibrous Heterogeneous
1301727PLM_104					Crushed
105	1'x1' White Fissured Ceiling Tile	None Detected	80% Mineral Wool	20% Other	White Fibrous Heterogeneous
1301727PLM_105					Crushed
106	1'x1' White Fissured Ceiling Tile	None Detected	80% Mineral Wool	20% Other	White Fibrous Heterogeneous
1301727PLM_106					Crushed
107	Tan Interior Window Caulk	4% Chrysotile		96% Other	Tan Non Fibrous Heterogeneous
1301727PLM_107					Crushed

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
108	Tan Interior Window Caulk	Not Analyzed			
1301727PLM_108					
109	Tan Interior Window Caulk	Not Analyzed			
1301727PLM_109					
110	Brown Interior Window Glazing	None Detected		100% Other	Gray, Brown Non Fibrous Heterogeneous
1301727PLM_110					Ashed, Dissolved
111	Brown Interior Window Glazing	4% Chrysotile		96% Other	Brown Non Fibrous Heterogeneous
1301727PLM_111					Crushed
112	Brown Interior Window Glazing	Not Analyzed			
1301727PLM_112					
113	Drywall	None Detected	15% Cellulose	85% Other	Tan, White Fibrous Heterogeneous
1301727PLM_113					Crushed
114	Drywall	None Detected	12% Cellulose 3% Fiber Glass	85% Other	Tan, White Fibrous Heterogeneous
1301727PLM_114					Crushed
115	Drywall	None Detected	15% Cellulose	85% Other	Tan, White Fibrous Heterogeneous
1301727PLM_115					Crushed

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Lab Sample ID	Lab Notes				Treatment
116	Drywall	None Detected	15% Cellulose	85% Other	Tan, White Fibrous Heterogeneous
1301727PLM_116					Crushed
117	Joint Compound	3% Chrysotile		97% Other	White Non Fibrous Homogeneous
1301727PLM_117					Crushed
118	Joint Compound	3% Chrysotile		97% Other	White Non Fibrous Homogeneous
1301727PLM_118					Crushed
119	Joint Compound	3% Chrysotile		97% Other	White Non Fibrous Homogeneous
1301727PLM_119					Crushed
120	Joint Compound	3% Chrysotile		97% Other	White Non Fibrous Homogeneous
1301727PLM_120					Crushed
121	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1301727PLM_121	single layer plaster				Crushed
122	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1301727PLM_122	paint on single layer plaster				Crushed
123	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1301727PLM_123	paint on single layer plaster				Crushed

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
124	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1301727PLM_124	paint on single layer plaster				Crushed
125 - A	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1301727PLM_125	light gray plaster				Crushed
125 - B	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1301727PLM_231	dark gray plaster				Crushed
126 - A	Plaster	None Detected		100% Other	White Non Fibrous Heterogeneous
1301727PLM_126	finish				Crushed
126 - B	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1301727PLM_232	base				Crushed
127 - A	Plaster	None Detected		100% Other	White Non Fibrous Heterogeneous
1301727PLM_127	finish				Crushed
127 - B	Plaster	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1301727PLM_233	base				Crushed
128	White Jacket on Fiberglass Duct Insulation	None Detected	40% Cellulose 10% Fiber Glass	50% Other	White Fibrous Heterogeneous
1301727PLM_128					Dissolved

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Lab Sample ID	Lab Notes				Treatment
129	White Jacket on Fiberglass Duct Insulation	None Detected	40% Cellulose 10% Fiber Glass	50% Other	White Fibrous Heterogeneous
1301727PLM_129					Dissolved
130	White Jacket on Fiberglass Duct Insulation	None Detected	40% Cellulose 10% Fiber Glass	50% Other	White Fibrous Heterogeneous
1301727PLM_130					Dissolved
131	White Mastic & Jacket inside Vent Unit	None Detected	20% Fiber Glass	80% Other	Black, White Fibrous Heterogeneous
1301727PLM_131	mastic on fiberglass				Dissolved
132	White Mastic & Jacket inside Vent Unit	None Detected	20% Fiber Glass	80% Other	Black, White Fibrous Heterogeneous
1301727PLM_132	mastic on fiberglass				Dissolved
133	White Mastic & Jacket inside Vent Unit	None Detected	20% Fiber Glass	80% Other	Black, White Fibrous Heterogeneous
1301727PLM_133	mastic on fiberglass				Dissolved
134	Black Sink Undercoat	3% Chrysotile		97% Other	Black Non Fibrous Heterogeneous
1301727PLM_134					Dissolved
135	Black Sink Undercoat	Not Analyzed			
1301727PLM_135					
136	Black Sink Undercoat	Not Analyzed			
1301727PLM_136					

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Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
137	2'x4' White Pinhole Ceiling Tile	None Detected	60% Cellulose 20% Fiber Glass	10% Perlite 10% Other	Tan, White Fibrous Heterogeneous
1301727PLM_137					Crushed
138	2'x4' White Pinhole Ceiling Tile	None Detected	60% Cellulose 20% Fiber Glass	10% Perlite 10% Other	Tan, White Fibrous Heterogeneous
1301727PLM_138					Crushed
139	2'x4' White Pinhole Ceiling Tile	None Detected	60% Cellulose 20% Fiber Glass	10% Perlite 10% Other	Tan, White Fibrous Heterogeneous
1301727PLM_139					Crushed
140 - A	12"x12" Beige Mottled Floor Tile & Yellow Mastic	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1301727PLM_140	tile				Dissolved
140 - B	12"x12" Beige Mottled Floor Tile & Yellow Mastic	None Detected	3% Cellulose	97% Other	Yellow Non Fibrous Heterogeneous
1301727PLM_234	mastic				Dissolved
141 - A	12"x12" Beige Mottled Floor Tile & Yellow Mastic	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1301727PLM_141	tile				Dissolved
141 - B	12"x12" Beige Mottled Floor Tile & Yellow Mastic	None Detected	3% Cellulose	97% Other	Yellow Non Fibrous Heterogeneous
1301727PLM_235	mastic				Dissolved
142 - A	12"x12" Beige Mottled Floor Tile & Yellow Mastic	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1301727PLM_142	tile				Dissolved

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Suite 100
Chantilly, VA 20151

Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
142 - B	12"x12" Beige Mottled Floor Tile & Yellow Mastic	None Detected	3% Cellulose	97% Other	Yellow Non Fibrous Heterogeneous
1301727PLM_236	mastic				Dissolved
143 - A	12"x12" Tan Flecked Floor Tile & Black Mastic	4% Chrysotile		96% Other	Tan Non Fibrous Heterogeneous
1301727PLM_143	tile				Dissolved
143 - B	12"x12" Tan Flecked Floor Tile & Black Mastic	8% Chrysotile		92% Other	Black Non Fibrous Heterogeneous
1301727PLM_237	mastic				Dissolved
144 - A	12"x12" Tan Flecked Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_144	tile				
144 - B	12"x12" Tan Flecked Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_238	mastic				
145 - A	12"x12" Tan Flecked Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_145	tile				
145 - B	12"x12" Tan Flecked Floor Tile & Black Mastic	Not Analyzed			
1301727PLM_239	mastic				
146	Brown Exterior Door Caulk	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_146					Dissolved

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Dorlos Ammerman (245)

Analyst

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: ECS Chantilly
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
147	Brown Exterior Door Caulk	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_147					Dissolved
148	Brown Exterior Door Caulk	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_148					Dissolved
149	Brown Exterior Window Caulk	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_149					Dissolved
150	Brown Exterior Window Caulk	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_150					Dissolved
151	Brown Exterior Window Caulk	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_151					Dissolved
152	Gray Exterior Window Glazing	None Detected		100% Other	Gray Non Fibrous Heterogeneous
1301727PLM_152					Ashed, Dissolved
153	Gray Exterior Window Glazing	5% Chrysotile		95% Other	Gray Non Fibrous Heterogeneous
1301727PLM_153					Dissolved
154	Gray Exterior Window Glazing	Not Analyzed			
1301727PLM_154					

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: ECS Chantilly
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
155	Yellow Carpet Mastic	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1301727PLM_155					Dissolved
156	Yellow Carpet Mastic	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1301727PLM_156					Dissolved
157	Yellow Carpet Mastic	None Detected		100% Other	Yellow Non Fibrous Heterogeneous
1301727PLM_157					Dissolved
158 - A	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	None Detected		100% Other	Orange Non Fibrous Heterogeneous
1301727PLM_158	tile				Dissolved
158 - B	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	None Detected		100% Other	Black Non Fibrous Heterogeneous
1301727PLM_240	mastic				Dissolved
159 - A	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	None Detected		100% Other	Orange Non Fibrous Heterogeneous
1301727PLM_159	tile				Dissolved
159 - B	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	None Detected		100% Other	Black Non Fibrous Heterogeneous
1301727PLM_241	mastic				Dissolved
160 - A	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	None Detected		100% Other	Orange Non Fibrous Heterogeneous
1301727PLM_160	tile				Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Chantilly, VA 20151

Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
160 - B	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic	8% Chrysotile		92% Other	Black Non Fibrous Heterogeneous
1301727PLM_242	mastic				Dissolved
161	Beige Interior Window Caulk	4% Chrysotile		96% Other	Beige Non Fibrous Heterogeneous
1301727PLM_161					Crushed
162	Beige Interior Window Caulk	Not Analyzed			
1301727PLM_162					
163	Beige Interior Window Caulk	Not Analyzed			
1301727PLM_163					
164	Brown Interior Window Glazing	None Detected		100% Other	Brown Non Fibrous Homogeneous
1301727PLM_164					Dissolved
165	Brown Interior Window Glazing	None Detected		100% Other	Brown Non Fibrous Homogeneous
1301727PLM_165					Dissolved
166	Brown Interior Window Glazing	None Detected		100% Other	Brown Non Fibrous Homogeneous
1301727PLM_166					Dissolved
167	White Mastic on Fiberglass Riser 1' Pipe	None Detected	5% Wollastonite	95% Other	White Non Fibrous Heterogeneous
1301727PLM_167					Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: ECS Chantilly
14026 Thunderbolt Place
Suite 100
Chantilly, VA 20151

Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
168	White Mastic on Fiberglass Riser 1' Pipe	None Detected	5% Wollastonite	95% Other	White Non Fibrous Heterogeneous
1301727PLM_168					Dissolved
169	White Mastic on Fiberglass Riser 1' Pipe	None Detected	5% Wollastonite	95% Other	White Non Fibrous Heterogeneous
1301727PLM_169					Dissolved
170	Beige Join Mastic on Riser 1' Pipe	None Detected	5% Wollastonite	95% Other	Beige Non Fibrous Heterogeneous
1301727PLM_170					Dissolved
171	Beige Join Mastic on Riser 1' Pipe	None Detected	5% Wollastonite	95% Other	Beige Non Fibrous Heterogeneous
1301727PLM_171					Dissolved
172	Beige Join Mastic on Riser 1' Pipe	None Detected	5% Wollastonite	95% Other	Beige Non Fibrous Heterogeneous
1301727PLM_172					Dissolved
173	Gray Interior Window Caulk	4% Chrysotile		96% Other	Brown Non Fibrous Heterogeneous
1301727PLM_173					Dissolved
174	Gray Interior Window Caulk	Not Analyzed			
1301727PLM_174					
175	Gray Interior Window Caulk	Not Analyzed			
1301727PLM_175					

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: ECS Chantilly
14026 Thunderbolt Place
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Chantilly, VA 20151

Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
176	Black Mastic on Metal Duct	10% Chrysotile		90% Other	Black Non Fibrous Heterogeneous
1301727PLM_176					Dissolved
177	Black Mastic on Metal Duct	Not Analyzed			
1301727PLM_177					
178	Black Mastic on Metal Duct	Not Analyzed			
1301727PLM_178					
179	Yellow Mastic under 2' Carpet Tile	None Detected	5% Cellulose	95% Other	Yellow Non Fibrous Heterogeneous
1301727PLM_179					Dissolved
180	Yellow Mastic under 2' Carpet Tile	None Detected	3% Cellulose	97% Other	Yellow Non Fibrous Heterogeneous
1301727PLM_180					Dissolved
181	Yellow Mastic under 2' Carpet Tile	None Detected	5% Cellulose	95% Other	Yellow Non Fibrous Heterogeneous
1301727PLM_181					Dissolved
182	2'x4' White Solid Ceiling Tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Tan, White Fibrous Heterogeneous
1301727PLM_182					Crushed
183	2'x4' White Solid Ceiling Tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Tan, White Fibrous Heterogeneous
1301727PLM_183					Crushed

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



Customer: ECS Chantilly
14026 Thunderbolt Place
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Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
184	2'x4' White Solid Ceiling Tile	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Tan, White Fibrous Heterogeneous
1301727PLM_184					Crushed
185 - A	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Gray, White Fibrous Heterogeneous
1301727PLM_185	ceiling tile				Crushed
185 - B	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	None Detected		100% Other	Yellow, White, Black Non Fibrous Heterogeneous
1301727PLM_243	mixed mastics				Dissolved
186 - A	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	None Detected	40% Cellulose 40% Fiber Glass	20% Other	Gray, White Fibrous Heterogeneous
1301727PLM_186	ceiling tile				Crushed
186 - B	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	None Detected		100% Other	Yellow, White, Black Non Fibrous Heterogeneous
1301727PLM_244	mixed mastics				Dissolved
187 - A	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	None Detected	80% Mineral Wool	20% Other	White Fibrous Heterogeneous
1301727PLM_187	ceiling tile				Crushed
187 - B	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic	None Detected		100% Other	Brown Non Fibrous Heterogeneous
1301727PLM_245	mastic				Dissolved
188	Beige Mastic on 2" & 4" Fiberglass Bridging Pipe Insulation	None Detected		100% Other	Beige Non Fibrous Heterogeneous
1301727PLM_188					Dissolved

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Bulk Asbestos Analysis

By Polarized Light Microscopy
EPA Method: 600/R-93/116 and 600/M4-82-020



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Attn: Joanna Vivance

Lab Order ID: 1301727

Analysis ID: 1301727PLM

Date Received: 2/4/2013

Date Reported: 2/8/2013

Project: #20705-A

Sample ID	Description	Asbestos	Fibrous Components	Non-Fibrous Components	Attributes
Lab Sample ID	Lab Notes				Treatment
189	Beige Mastic on 2"&4" Fiberglass Bridging Pipe Insulation	None Detected	30% Cellulose 10% Fiber Glass	60% Other	Beige Fibrous Heterogeneous
1301727PLM_189					Dissolved
190	Beige Mastic on 2"&4" Fiberglass Bridging Pipe Insulation	None Detected	30% Cellulose 10% Fiber Glass	60% Other	Beige Fibrous Heterogeneous
1301727PLM_190					Dissolved
191	Black Terrazzo Stair	None Detected		100% Other	Black Non Fibrous Homogeneous
1301727PLM_191					Crushed
192	Black Terrazzo Stair	None Detected		100% Other	Black Non Fibrous Homogeneous
1301727PLM_192					Crushed
193	Black Terrazzo Stair	None Detected		100% Other	Black Non Fibrous Homogeneous
1301727PLM_193					Crushed

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1301727

Client: Contact: ECS Mid-Atlantic, LLC Address: Joanna Vivanco 14026 Thunderbolt Place, Chantilly, VA 20151 Phone: 703-471-8400 Fax: 703-834-5527 Email: jvivanco@ecslimited.com	Project: #20705-A Client Notes: P.O. #: Date Submitted: FEDEX Analysis: PLM EPA 600/R-93/116 (Positive Stop) TurnAroundTime: 5 Days	Instructions: Use Column "B" for your contact info To See an Example Click the bottom Example Tab. Enter samples between "<<" and ">>" Begin Samples with a "<<" above the first sample and end with a ">>" below the last sample. Only Enter your data on the first sheet "Sheet1" Note: Data 1 and Data 2 are optional fields that do not show up on the official report, however they will be included in the electronic data returned to you to facilitate your reintegration of the report data.
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Sample Number	HA # (Bulk Sample)	Sample Description
R1	HA #1	Roof Tar
R2	HA #1	Roof Tar
R3	HA #1	Roof Tar
R4	HA #2	Roof Patch
R5	HA #2	Roof Patch
R6	HA #2	Roof Patch
R7	HA #3	Roof Exterior Door Caulk
R8	HA #3	Roof Exterior Door Caulk
R9	HA #3	Roof Exterior Door Caulk
R10	HA #4	Brown Roof Flashing Sealant
R11	HA #4	Brown Roof Flashing Sealant
R12	HA #4	Brown Roof Flashing Sealant
R13	HA #5	Black w/Small Gravel Roof Membrane (Top Layer)
R14	HA #5	Black w/Small Gravel Roof Membrane (Top Layer)
R15	HA #5	Black w/Small Gravel Roof Membrane (Top Layer)
R16	HA #6	Roof Felt w/Tar (2nd Layer)
R17	HA #6	Roof Felt w/Tar (2nd Layer)
R18	HA #6	Roof Felt w/Tar (2nd Layer)
R19	HA #7	Roof Brown Insulation (Bottom Layer)

Accepted ☒

Rejected ☐

David
2-4
AD

1301727

R20	HA #7	Roof Brown Insulation (Bottom Layer)
R21	HA #7	Roof Brown Insulation (Bottom Layer)
R22	HA #8	Roof Flashing (Top Layer)
R23	HA #8	Roof Flashing (Top Layer)
R24	HA #8	Roof Flashing (Top Layer)
R25	HA #9	Roof Flashing (Underlayer)
R26	HA #9	Roof Flashing (Underlayer)
R27	HA #9	Roof Flashing (Underlayer)
R28	HA #10	Pitch Pocket
R29	HA #10	Pitch Pocket
R30	HA #10	Pitch Pocket
31	HA #11	12"x12" Greenish Gray Floor Tile & Black Mastic
32	HA #11	12"x12" Greenish Gray Floor Tile & Black Mastic
33	HA #11	12"x12" Greenish Gray Floor Tile & Black Mastic
34	HA #12	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic
35	HA #12	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic
36	HA #12	12"x12" Tan w/Brown Flecks Floor Tile & Yellow/Black Mastic
37	HA #13	12"x12" Beige Flecked Floor Tile & Black Mastic
38	HA #13	12"x12" Beige Flecked Floor Tile & Black Mastic
39	HA #13	12"x12" Beige Flecked Floor Tile & Black Mastic
40	HA #14	4" Brown Cove Base & Brown Mastic
41	HA #14	4" Brown Cove Base & Brown Mastic
42	HA #14	4" Brown Cove Base & Brown Mastic
43	HA #15	Mudded Tank Insulation & Jacket
44	HA #15	Mudded Tank Insulation & Jacket
45	HA #15	Mudded Tank Insulation & Jacket
46	HA #16	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)
47	HA #16	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)
48	HA #16	Beige Mastic & Jacket on Fiberglass Pipe Bridging Insulation (Tank Valve)
49	HA #17	Beige Mastic & Jacket on Fiberglass 2" Pipe Bridging Insulation
50	HA #17	Beige Mastic & Jacket on Fiberglass 2" Pipe Bridging Insulation
51	HA #17	Beige Mastic & Jacket on Fiberglass 2" Pipe Bridging Insulation
52	HA #18	White Mastic & Jacket on Fiberglass 12" Pipe Bridging Insulation
53	HA #18	White Mastic & Jacket on Fiberglass 12" Pipe Bridging Insulation
54	HA #18	White Mastic & Jacket on Fiberglass 12" Pipe Bridging Insulation
55	HA #19	White Jacket on Fiberglass Duct Insulation
56	HA #19	White Jacket on Fiberglass Duct Insulation

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57	HA #19	White Jacket on Fiberglass Duct Insulation
58	HA #20	White Mastic, Jacket & Black Insulation on 1' Vertical Tank
59	HA #20	White Mastic, Jacket & Black Insulation on 1' Vertical Tank
60	HA #20	White Mastic, Jacket & Black Insulation on 1' Vertical Tank
61	HA #21	White Mastic, Jacket & Black Insulation on 2' Vertical Tank
62	HA #22	Mudded Insulation on Side of 2' Vertical Tank
63	HA #22	Mudded Insulation on Side of 2' Vertical Tank
64	HA #23	White Mastic, Jacket & Black Insulation on 4' Horizontal Tank
65	HA #24	Mudded Insulation on Side of 4' Horizontal Tank
66	HA #24	Mudded Insulation on Side of 4' Horizontal Tank
67	HA #25	Fireproofing
68	HA #25	Fireproofing
69	HA #26	Fireproofing
70	HA #26	Fireproofing
71	HA #27	Fireproofing
72	HA #28	Fireproofing
73	HA #28	Fireproofing
74	HA #29	Beige Mastic on Fiberglass Pipe Bridging Insulation (COND/WVP Pipelines)
75	HA #29	Beige Mastic on Fiberglass Pipe Bridging Insulation (COND/WVP Pipelines)
76	HA #29	Beige Mastic on Fiberglass Pipe Bridging Insulation (COND/WVP Pipelines)
77	HA #30	Brown Cloth Duct Vibration Damper
78	HA #30	Brown Cloth Duct Vibration Damper
79	HA #30	Brown Cloth Duct Vibration Damper
80	HA #31	White Interior Door Caulk
81	HA #31	White Interior Door Caulk
82	HA #31	White Interior Door Caulk
83	HA #32	Mudded Insulation (Fire Control Room)
84	HA #32	Mudded Insulation (Fire Control Room)
85	HA #32	Mudded Insulation (Fire Control Room)
86	HA #33	4" Black Cove base & Cream/Black/Brown Mastic
87	HA #33	4" Black Cove base & Cream/Black/Brown Mastic
88	HA #33	4" Black Cove base & Cream/Black/Brown Mastic
89	HA #34	6" Green Cove Base & Brown Mastic
90	HA #34	6" Green Cove Base & Brown Mastic
91	HA #34	6" Green Cove Base & Brown Mastic
92	HA #35	2'x4' White Fissured Ceiling Tile
93	HA #35	2'x4' White Fissured Ceiling Tile

1301727

94	HA #35	2'x4' White Fissured Ceiling Tile
95	HA #36	Beige mastic on Fiberglass Duct Insulation
96	HA #36	Beige mastic on Fiberglass Duct Insulation
97	HA #36	Beige mastic on Fiberglass Duct Insulation
98	HA #37	Dark Brown Mastic on Metal Duct Pin
99	HA #38	Light Brown Mastic on Metal Duct Pin
100	HA #39	Beige Mastic on Metal Duct Pin
101	HA #40	Beige Mastic on Fiberglass Pipe Insulation
102	HA #40	Beige Mastic on Fiberglass Pipe Insulation
103	HA #40	Beige Mastic on Fiberglass Pipe Insulation
104	HA #41	1'x1' White Fissured Ceiling Tile
105	HA #41	1'x1' White Fissured Ceiling Tile
106	HA #41	1'x1' White Fissured Ceiling Tile
107	HA #42	Tan Interior Window Caulk
108	HA #42	Tan Interior Window Caulk
109	HA #42	Tan Interior Window Caulk
110	HA #43	Brown Interior Window Glazing
111	HA #43	Brown Interior Window Glazing
112	HA #43	Brown Interior Window Glazing
113	HA #44	Drywall
114	HA #45	Drywall
115	HA #46	Drywall
116	HA #47	Drywall
117	HA #48	Joint Compound
118	HA #49	Joint Compound
119	HA #50	Joint Compound
120	HA #51	Joint Compound
121	HA #52	Plaster
122	HA #53	Plaster
123	HA #54	Plaster
124	HA #54	Plaster
125	HA #55	Plaster
126	HA #56	Plaster
127	HA #56	Plaster
128	HA #57	White Jacket on Fiberglass Duct Insulation
129	HA #57	White Jacket on Fiberglass Duct Insulation
130	HA #57	White Jacket on Fiberglass Duct Insulation

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131	HA #58	White Mastic & Jacket inside Vent Unit
132	HA #58	White Mastic & Jacket inside Vent Unit
133	HA #58	White Mastic & Jacket inside Vent Unit
134	HA #59	Black Sink Undercoat
135	HA #59	Black Sink Undercoat
136	HA #59	Black Sink Undercoat
137	HA #60	2'x4' White Pinhole Ceiling Tile
138	HA #60	2'x4' White Pinhole Ceiling Tile
139	HA #60	2'x4' White Pinhole Ceiling Tile
140	HA #61	12"x12" Beige Mottled Floor Tile & Yellow Mastic
141	HA #61	12"x12" Beige Mottled Floor Tile & Yellow Mastic
142	HA #61	12"x12" Beige Mottled Floor Tile & Yellow Mastic
143	HA #62	12"x12" Tan Flecked Floor Tile & Black Mastic
144	HA #62	12"x12" Tan Flecked Floor Tile & Black Mastic
145	HA #62	12"x12" Tan Flecked Floor Tile & Black Mastic
146	HA #63	12"x12" Tan Flecked Floor Tile & Black Mastic
147	HA #63	Brown Exterior Door Caulk
148	HA #63	Brown Exterior Door Caulk
149	HA #63	Brown Exterior Door Caulk
150	HA #64	Brown Exterior Window Caulk
151	HA #64	Brown Exterior Window Caulk
152	HA #64	Brown Exterior Window Caulk
153	HA #65	Gray Exterior Window Glazing
154	HA #65	Gray Exterior Window Glazing
155	HA #65	Gray Exterior Window Glazing
156	HA #66	Yellow Carpet Mastic
157	HA #66	Yellow Carpet Mastic
158	HA #66	Yellow Carpet Mastic
159	HA #67	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic
160	HA #67	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic
161	HA #67	12"x12" Reddish Brown Flecked Floor Tile & Black Mastic
162	HA #68	Beige Interior Window Caulk
163	HA #68	Beige Interior Window Caulk
164	HA #68	Beige Interior Window Caulk
165	HA #69	Brown Interior Window Glazing
166	HA #69	Brown Interior Window Glazing
167	HA #69	Brown Interior Window Glazing
		White Mastic on Fiberglass Riser 1' Pipe

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168	HA #70	White Mastic on Fiberglass Riser 1' Pipe
169	HA #70	White Mastic on Fiberglass Riser 1' Pipe
170	HA #71	Beige Join Mastic on Riser 1' Pipe
171	HA #71	Beige Join Mastic on Riser 1' Pipe
172	HA #71	Beige Join Mastic on Riser 1' Pipe
173	HA #72	Gray Interior Window Caulk
174	HA #72	Gray Interior Window Caulk
175	HA #72	Gray Interior Window Caulk
176	HA #73	Black Mastic on Metal Duct
177	HA #73	Black Mastic on Metal Duct
178	HA #73	Black Mastic on Metal Duct
179	HA #74	Yellow Mastic under 2' Carpet Tile
180	HA #74	Yellow Mastic under 2' Carpet Tile
181	HA #74	Yellow Mastic under 2' Carpet Tile
182	HA #75	2'x4' White Solid Ceiling Tile
183	HA #75	2'x4' White Solid Ceiling Tile
184	HA #75	2'x4' White Solid Ceiling Tile
185	HA #76	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic
186	HA #76	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic
187	HA #76	1'x1' White Fissured Ceiling Tile & Cream/Black Dot Mastic
188	HA #77	Beige Mastic on 2"x4" Fiberglass Bridging Pipe Insulation
189	HA #77	Beige Mastic on 2"x4" Fiberglass Bridging Pipe Insulation
190	HA #77	Beige Mastic on 2"x4" Fiberglass Bridging Pipe Insulation
191	HA #78	Black Terrazzo Stair
192	HA #78	Black Terrazzo Stair
193	HA #78	Black Terrazzo Stair



1. Front view of the building.



2. Asbestos-containing exterior door caulk at brick structure on roof.



3. Asbestos-containing 12"x12" greenish gray floor tile and black mastic in hallway between kitchen and trash room in 1st floor. Sample #31.



4. Asbestos-containing yellow/black mastic associated with 12"x12" tan with brown flecks floor tile in hallway between kitchen and trash room in 1st floor. Sample #34.



5. Asbestos-containing 12"x12" beige flecked floor tile and black mastic in cafeteria in 1st floor. Sample #37.



6. Asbestos-containing 12"x12" beige flecked floor tile and black mastic in east stair landing to basement. Sample #38.

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7. Asbestos-containing beige mastic and jacket on fiberglass 2" pipe bridging insulation in boiler room in basement. Sample #49.



8. Asbestos-containing beige mastic on fiberglass pipe bridging insulation associated with COND/WP pipeline in custodial supply room in basement. Sample #75.



9. Asbestos-containing white interior door in boiler room in basement. Sample #80.



10. Asbestos-containing 2'x4' white fissured ceiling tile in open area in 3rd floor. Sample #94.



11. Damaged 2'x4' white fissured ceiling tile in elevator lobby in 1st floor.



12. Damaged asbestos-containing 2'x4' white fissured ceiling tile in 2nd floor.

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13. Asbestos-containing brown mastic on metal duct pins. Samples #98-100.



14. Asbestos-containing tan interior window caulk in classroom in mezzanine level. Sample #107.



15. Asbestos-containing brown interior window glazing in classroom in mezzanine level. Sample #111.



16. Damaged asbestos-containing joint compound associated with drywall wallboards in mezzanine level.



17. Damaged drywall wallboards with asbestos-containing joint compound.



18. Asbestos-containing black sink undercoat in PE kindergarten classroom in mezzanine level. Sample #134.



19. Asbestos-containing 12"x12" tan flecked floor tile and black mastic in classroom inside PE kindergarten room in mezzanine level. Sample #143



20. Exterior windows at front of the building.



21. Asbestos-containing gray exterior window glazing. Sample #153.



22. Asbestos-containing mastic associated with 12"x12" reddish brown flecked floor tile in 2nd floor. Sample #160.



23. Vertical window panels in open area in 2nd floor.



24. Asbestos-containing beige interior window caulk in vertical window panels in open area in 2nd floor. Sample #161.



25. Asbestos-containing gray interior window caulk at stairwells. Sample #173.



26. Asbestos-containing black mastic on metal duct above plaster ceiling in stairwells. Sample #176.



27. Assumed asbestos-containing fire door insulation at exits. Not sampled.



28. Assumed asbestos-containing fire door insulation at stairwells. Not sampled.



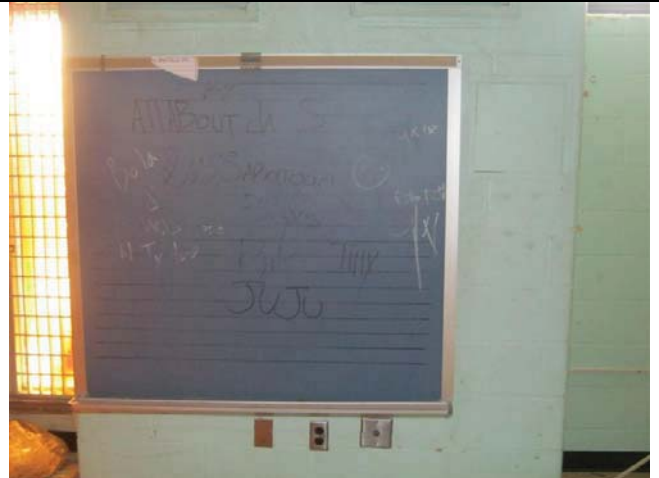
29. Assumed asbestos-containing fire door insulation. Not sampled.



30. Assumed asbestos-containing gaskets in boiler room in basement. Not sampled.



31. Assumed asbestos-containing exterior window caulk and glazing in inaccessible window at stairwells in 2nd and 3rd floor. Not sampled.



32. Assumed asbestos-containing mastic behind boards. Not sampled.



33. Assumed asbestos-containing mastic behind boards. Not sampled.



34. Assumed asbestos-containing mastic behind boards. Not sampled.



35. Assumed asbestos-containing interior boiler materials in boiler room in basement. Not sampled.



36. Assumed asbestos-containing interior boiler materials in boiler room in basement. Not sampled.

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37. Assumed asbestos-containing Elevator's switch deflector plate, brakes, cab and doors. Not sampled.



38. Lead-based orange paint on elevator doors and door jamb.



39. Fluorescent lamps.



40. High-intensity discharge (HID) lamps on roof along perimeter parapet wall.



41. Walk-in refrigerator in kitchen in 1st floor.



42. Emergency exit assumed to contain lead-acid batteries.



43. Broken mercury-containing fluorescent lamps in 3rd floor.



44. Rear view of the building where underground storage tank (UST) is suspect to be located.